

Paul S. Albert, PhD

Date:

February 25, 2014

Current Position:

Chief and Senior Investigator
Biostatistics and Bioinformatics Branch
Division of Epidemiology, Statistics, and Prevention
Eunice Kennedy Shriver National Institute of
Child Health and Human Development
National Institutes of Health

Address:

6100 Executive Blvd room 7B05
Bethesda, MD 20892-7510
albertp@mail.nih.gov

Education:

1988 Ph.D, Biostatistics, The Johns Hopkins University
1981 A.B. Mathematics and Psychobiology, Oberlin College

NIH Experience:

Branch Chief and Senior Investigator, Biostatistics and Bioinformatics Branch,
National Institute of Child Health and Human Development, July 2009-Present.

Mathematical Statistician, Biometric Research Branch, Division of Cancer
Treatment and Diagnosis, National Cancer Institute. March 1999- July 2009.

Mathematical Statistician, Office of Biostatistics Research, National Heart
Lung and Blood Institute, February 1995-March 1999

Staff Fellow and Senior Staff Fellow, Biometry and Field Studies Branch, Na-
tional Institute of Neurological Disorders and Stroke, July 1988-February 1995

Teaching Experience:

Introduction to Biostatistics (two quarter sequence), Department of Biostatistics,
The Johns Hopkins University, 1994-1995.

Introduction to Hypothesis Testing and Sample Size Estimation, Core Course in Clinical Research, NIH Clinical Center, 1995-1999.

Scientific Review Service:

Ad hoc Journal Reviewer

Biostatistics and Statistics: Annals of Statistics, Annals of Applied Statistics, The Journal of the American Statistical Association (JASA): Theory and Methods and Application/Case-studies Sections, Journal of the Royal Statistical Society-Series B, Journal of the Royal Statistical Society-Series C (Applied Statistics), Biometrics, Biometrika, The Biometrical Journal, Biostatistics, Statistics in Medicine, The International Journal of Biostatistics, The American Statistician, Journal of Statistical Planning and Inference, Statistica Neerlandica, Communications in Statistics, Metron, Lifetime Data Analysis, Computational Statistics and Data Analysis, Journal of Agriculture, Biological, and Environmental Statistics, Statistics in Biosciences Journal of Statistical Computation and Simulation, Psychometrika, Statistics and Probability Letters, Statistics.

Clinical, Epidemiology, and Basic Science: BMC Medical Informatics and Decision Making, Health Services and Outcomes Research Methodology, Controlled Clinical Trials, American Journal of Epidemiology, Epidemiology, International Journal of Epidemiology, Psychometrika, Journal of Theoretical Biology, Annals of Neurology, Neurology, Epilepsia, Brain, and CNS Drugs, Cancer Epidemiology, Biomarkers, and Prevention, Journal of the National Cancer Institute, The Cancer Journal, Journal of Clinical Oncology, Paediatric and Perinatal Epidemiology, Journal of Circadian Rhythms, Proceedings of the National Academy of the Sciences, Science Translation.

External Grant Review:

International

Reviewer for Israel Science Foundation, March 1996

Reviewer for National Sciences and Engineering Research Council of Canada, December 2005

Review for National Sciences and Engineering Research Council of Canada, December 2008

Federal

Reviewer for National Science Foundation, February 1998

Editorial Boards:

Editorial Board, *Statistics in Medicine*, July 1994-August 2005

Associate Editor, *Statistics in Medicine*, September 2005-Present

Associate Editor, *Biometrics*, July 2010-December 2012; December 2012-December 2014.

Guest Editor, *Statistics in Medicine*, Innovative Designs and Statistical Methods for Biomarkers in Epidemiology, 2012

Editorial Board, *Fertility and Sterility*, May 2013-

Visiting and Adjunct Positions:

Department of Statistics at the University of Munich, May 1998

Adjunct Professor of Mathematics and Statistics, University of Maryland, Baltimore County.

Professional Service:

NIH and FDA sponsored Data Safety and Monitoring (DSMB) Committees

DSMB member for FDA sponsored trial: The effect of Albendazole therapy on epilepsy due to cysticercosis. January 1996-January 2003

Protocol Review and Monitoring Committee (PRMC) for the Center for Clinical Research (CCR), February 1999-September 2008

Member of the Intramural Pulmonary DSMB, NHLBI. June 2000-December 2006

DSMB member for NIAID sponsored trial: A Phase III double-blind placebo-controlled trial of long term therapy of herpes simplex encephalitis (HSE): an evaluation of valacyclovir. January 2003-May 2009.

Member of the NCI/Center for Cancer Research Data Safety and Monitoring Board, 2009-present.

Chair of Search Committee for Epidemiology Branch Chief, Division of Epidemiology, Statistics, and Prevention Research, NICHD 2009-2010.

Member of the Advisory and Safety Monitoring Board for the Nulliparous Pregnancy Study: Monitoring our Mothers-to-be Study (NuMOM), sponsored by NICHD, 2010.

NIH designated NIH scientist representative at the NCI-DCEG Biostatistics Branch site visit, May 4, 2010.

Member of Search Committee for Senior Biostatistician at NINDS, 2010-2011.

Search Committee member Tenure-track investigator Epidemiology Branch, NICHD, 2012.

Member of the NIH Tenure Committee's Epidemiology and Biometry Review

Panel, 2011-

Chair of Search Committee for Health Behavior Chief and Senior Investigator, Division of Intramural Population Health Research, NICHD, 2013-2014.

Service to the Statistical Associations

Member of the Regional Advisory Board of the Eastern North American Region (ENAR) of the International Biostatistics Society (IBS), January 1995-January 1998

ENAR Van Ryzin Student Paper Award Committee, November 1999

Co-program Chair for the ENAR spring meetings in Crystal City, VA, March 2002

Member of the American Statistical Association (ASA) Committee on Award for the Outstanding Statistical Application, January 1998-January 2002

Chair of the ASA Committee on Award for the Outstanding Statistical Application, January 2002-January 2005

Member of the 2010 ENAR Program Committee. July 2009.

Elected Program Chair for the Statistics in Epidemiology Section of ASA, 2011. August 2009-August 2011.

Member of the 2011 ENAR Program Committee.

Member of the ASA Nathan Mantel Award Committee, 2011.

Member of the ASA Young Investigator Award Committee, 2011.

Member of the ENAR nomination Committee, 2011-2012.

Member of the ASA Committee on Selection of the Karl E. Peace Award for outstanding Statistical Contributions for the Betterment of Society Committee. January 2012-December 2012, reappointed for January 2013-December 2015.

Member of the 2014 ENAR Program Committee.

Review for Tenure and Promotion

Department of Biostatistics, Emory University, 1998.

Department of Biostatistics, Columbia University, 1999.

Department of Mathematics and Statistics, University of Waterloo, 2002.

Department of Biostatistics, Columbia University, 2002.

Department of Biostatistics, University of Medicine and Dentistry of New Jersey, 2006.

Fred Hutchinson Cancer Center, 2007.

Department of Quantitative Health Sciences, Cleveland Clinic Foundation, 2008.

Department of Health Administration and Policy, George Mason University, 2009.

Faculty of Medicine, McGill University, 2010.

Department of Epidemiology and Biostatistics, University of Arizona, 2010.

Department of Biostatistics, Vanderbilt University School of Medicine, 2010.

Department of Statistics, Virginia Tech, 2012.

Department of Biostatistics, University of Michigan, 2012.

Department of Biostatistics, University of Minnesota, 2012.

Department of Statistics, George Mason University, 2012.

Department of Biostatistics, Emory University, 2013.

Division of Biostatistics, Johns Hopkins Medical School, 2013.

Department of Statistics, George Washington University, 2013.

Department of Biostatistics, Columbia University, 2013.

Organizing Invited Sessions at International/National Meetings

Comparative approaches for analyzing a longitudinal opiate dependence trial with informative missingness and dropout, ENAR spring meetings in Atlanta, GA, August 1999

Surrogate endpoints in clinical trials, ENAR spring meetings in Crystal City, VA, March 2002

Recent advances in estimating diagnostic error without a gold standard, ENAR spring meetings in Crystal City, VA, March 2002

Recent advances in tumor growth modeling, ENAR spring meetings in Pittsburgh, PA, March 2004

Recent advances in two-part models, WNAR spring meetings in Fairbanks, AK, June 2005

Recent advances in analyzing biomarker data with below the level of detection. Organizer of session at ENAR, Crystal City, VA, March 2008.

Recent advances in epidemiologic methods for repeated measures. Organized spotlight session for the Epidemiology Congress, Montreal, June 2011.

Innovative approaches for analyzing longitudinal biomarkers. ENAR spring meetings in Washington DC, March 2011.

Innovative approaches for assessing risk in fetal growth studies. ENAR, Orlando, 2013.

Recent advances in statistical methods in diagnostic testing. IBS, Florence Italy, 2014.

Invited Panel Member

International workshop on outcome assessment in multiple sclerosis clinical trials. National Multiple Sclerosis Society, February 1994.

International task force on the use of magnetic resonance imaging as an outcome measure in multiple sclerosis clinical trials. National Multiple Sclerosis Society. July 1994-May 1995.

International workshop on the role of magnetic resonance imaging in understanding and managing multiple sclerosis. Oxford, England, January 1997.

International workshop on the future clinical trials issues in multiple sclerosis. Washington, D.C., December 2004.

IMS New Researcher's Conference, Invited talk and panel on Biostatistics at the NIH, Bethesda, Maryland. July 2009.

Private Consulting

Statistical Consultant for Shering AG, August 1996-August 1997

Statistical Consultant for Berlix, January 1998

Academic and Professional Awards:

United States Public Health Services Fellowship, The Johns Hopkins University, 1982-1987

NIH Merit Award for the development of innovative statistical methodology applied to clinical neurology, 1993

Elected Fellow of the American Statistical Association, 2005

NIH Merit Award for organization of an interdisciplinary team for methodological development in the design and analysis of biomarker studies, 2010.

Mentoring/co-mentoring

Craig Borkowf, NIH Intramural Research Training Award Fellow (IRTA), 1999-2002

Laura Lee Johnson, Research Fellow, 2003-2005

Bo Zhang, post-doctoral Fellow , 2009-2011.

John Jackson, Ph.D. Student at GW University Statistics Department, 2010-

2012. Dissertation title: Joint Modeling of Longitudinal Count and Binary Data Using latent Variable Approaches.

Yaakov Malinovsky, post-doctoral fellow, 2009-2011.

Leanne Sanders. Summer Student from Ohio State University Department of Statistics. Summer 2010.

Katie Cheon, post-doctoral Fellow 2010-2012.

Michel Danaher, pre-doctoral fellow, 2010-

Semhar Ogbagaber, summer student from University of Pittsburgh, Department of Biostatistics, Summer 2011, 2012.

Van Tran, summer student from University of Rochester, Department of Biostatistics, Summer 2013.

Jared Foster, post-doctoral Fellow

Ashok Chauasia, post-doctoral Fellow

Kara Fulton, post-bac Fellow 2012-2013

Alicia Johns, post-bac Fellow 2013-2014

Ph.D. Thesis Committees/outside Examiner

Susan Warren, M.D., “Evaluating the Value of Adding Diagnostic Symptotms Using Posterior Probability and Sensitivity/Specificity Procedures” Department of Epidemiology and Biostatistics, George Washington University, 2010.

Mohammed R. Chowdhury, “Nonparametric Smoothing Estimation of Conditional Distribution Functions with Longitudinal Data and Time-Varying Parametric Models” Department of Statistics, George Washington University, 2013.

Fanni Zhang, “Concordant Integrative Analysis of Multiple Gene Expression Data Sets” Department of Statistics, George Washington University, 2014.

Refereed Manuscripts:

1. Zeger, S.L., Liang, K.Y., and **Albert, P.S.**. Models for longitudinal data: A generalized estimating equation approach. *Biometrics* **44**, 1049-1060, 1988.
2. **Albert, P.S.** and Brown, C.H. The design of a panel study under an alternating Poisson process assumption. *Biometrics* **47**, 921-932, 1991.
3. **Albert, P.S.** A two state Markov mixture model for a time series of epileptic seizure counts. *Biometrics* **47**, 1371-1381, 1991.
4. Balish, M., **Albert, P.S.**, and Theodore, W.H. Seizure frequency in

intractable partial epilepsy: A statistical analysis. *Epilepsia* **32**, 642-649, 1991.

5. **Albert, P.S.**, Rosen, L.N., Alexander, R.L., and Rosenthal, N.E. The effect of daily variations in weather and sleep on seasonal affective disorder. *Psychiatry Research* **36**, 51-63, 1991.
6. Racke, M.K., Dhib-Jalbut, S., Cannella, B., **Albert, P.S.**, Raine, C.S., and McFarlin, D.E. Prevention and treatment of chronic relapsing Experimental Allergic Encephalomyelitis by Transforming Growth Factor β . *The Journal of Immunology* **146**, 3012-3017, 1991.
7. Racke, M.K., Cannella, B., **Albert, P.S.**, Sporn, M., Raine, C.S., and McFarlin, D.E. Evidence of endogenous regulatory function of transforming growth factor-Beta 1 in Experimental Allergic Encephalomyelitis. *International Immunology* **4**, 615-620, 1992.
8. McFarland, H.F., Frank, J.A., **Albert, P.S.**, Smith, E., Martin, R., Harris, J.O., Patronas, N.J., Maloni, H.M., and McFarlin, D.E. Using Gadolinium enhanced MRI lesions to monitor disease activity in multiple sclerosis. *Annals of Neurology* **32**, 758-766, 1992.
9. Minagawa, H., Yoshida, T., Itoyama, Y., Mora, C., **Albert, P.S.**, and Mori, R. Neutralizing antibodies against HTLV-I in HTLV-I associated Myelopathy/Tropical Spastic Paraparesis (HAM/TSP). *Neurology* **42**, 2210-2212, 1992.
10. **Albert, P.S.** A model for seasonal changes in time series regression relationships: with an application in psychiatry. *Statistics in Medicine* **12**, 1555-1568, 1993.
11. Smith, M.E., Stone, L.A., **Albert, P.S.**, Frank, J.A., Martin, R., Armstrong, M., Maloni, H., McFarlin, D.E., and McFarland, H.F. Clinical worsening in Multiple Sclerosis is associated with increased frequency and area of Gadopentate Dimeglumine enhancing MRI lesions. *Annals of Neurology* **33**, 480-489, 1993.
12. Elovaara, I., **Albert, P.S.**, Ranki, A., Krohn, K., and Seppala, I. HIV-1 specificity of cerebrospinal fluid and serum IgG, IgM, and IgG1-4 antibodies in relation to clinical disease. *Journal of the Neurological Sciences* **117**, 111-119, 1993.
13. Frank, J.A., Stone, L.A. Smith, M.E., **Albert, P.S.**, and McFarland, H.F. Serial contrast-enhanced magnetic resonance imaging in patients with early relapsing-remitting multiple sclerosis: implications for treatment trials. *Annals of Neurology* **36**, S86-S90, 1994.

14. **Albert, P.S.**, McFarland, H.F., Smith, M.E., and Frank, J.A. Time series for counts from a relapsing-remitting disease: application to modeling the disease course in multiple sclerosis. *Statistics in Medicine* **13**, 453-466, 1994.
15. Leiderman, D.B., **Albert, P.S.**, Balish, M., Bromfield, E. and Theodore, W.H. The dynamics of metabolic change following seizures as measured by positron emission tomography with 18-Fluoro-2-deoxyglucose. *Archives of Neurology* **51**, 932-936, 1994.
16. **Albert, P.S.** A Markov model for sequences of ordinal data from a relapsing-remitting disease. *Biometrics* **50**, 51-60, 1994.
17. Theodore, W.H., Porter, R., **Albert, P.S.**, Kelly, K., Bromfield, E., Devinsky, O., and Sato, S. The secondary generalized tonic-clonic seizure: a videotape analysis. *Neurology* **44**, 1403-1407, 1994.
18. Voskuhl, R.R., Robinson, E.D., Segal, B.M., Tranquill, L., Camphausen, K., **Albert, P.S.**, Richert, J.R., and McFarland, H.F. HLA restriction and TCR usage of T Lymphocytes specific for a novel candidate autoantigen, X2MBP, in multiple sclerosis. *Journal of Immunology* **153**, 4824-4844, 1994.
19. Racke, M.K., Burnett, D., Pak, S.H., **Albert, P.S.**, Cannella, B., Raine, C.S., McFarlin, D.E., and Scott, D.E. Retinoid treatment of Experimental Allergic Encephalomyelitis: IL-4 production correlates with improved disease course. *Journal of Immunology* **154**, 450-480, 1995.
20. **Albert, P.S.** and McShane, L.M. A generalized estimating equations approach for spatially correlated binary data: with an application to the analysis of neuroimaging data. *Biometrics* **51**, 627-638, 1995.
21. Perrin, P.J., Scott, D., Quigley, L., **Albert, P.S.**, Feder, O., Gray, G.S., Abe, R., June, C.H., and Racke, M.K. Role of B7:CD28/CTLA-4 interaction in chronic relapsing Experimental Allergic Encephalomyelitis. *Journal of Immunology* **154**, 1481-1490, 1995.
22. Stone, L.A., Smith, M.E., **Albert, P.S.**, Bash, C., Maloni, H., Frank, J.A., and McFarland, H.F. Blood brain barrier disruption as measured by contrast enhanced MRI in patients with mild relapsing-remitting multiple sclerosis: relationship to course, gender, and age. *Neurology* **45**, 1122-1126, 1995.
23. Stone, L.A., **Albert, P.S.**, Smith, M.E., DeCarli, C., Armstrong, M.R., McFarlin, D.E., Frank, J.A., and McFarland, H.F. Changes in the amount

of diseased white matter over time in patients with relapsing remitting multiple sclerosis. *Neurology* **45**, 1808-1814, 1995.

24. Stone, L.A., Frank, J.A., **Albert, P.S.**, Bash, C., Smith, M.E., Maloni, H., and McFarland, H.F. The effect of Beta Interferon on blood brain barrier disruptions demonstrated by contrast enhanced MRI in relapsing-remitting multiple sclerosis. *Annals of Neurology* **37**, 611-619, 1995.
25. Theodore, W.H., **Albert, P.S.**, Stertz, B., Malow, B., Ko, D., White, S., Flamini, R., and Ketter, T. Felbamate monotherapy: implications for antiepileptic drug development. *Epilepsia* **36**, 1105-1110, 1995.
26. Turner, E.H., Leibenluft, E., **Albert, P.S.**, Wehr, T.A., and Rosenthal, N.E. Effect of season and light treatment upon hot flashes in a peri-menopausal SAD patient. *Chronobiology International* **12**, 290-298, 1995.
27. Miller, D.H., **Albert, P.S.**, Barkhof, F., Francis, G., Frank, J.A., Hodgkinson, S., Lublin, F.D., Paty, D.W., Reingold, S.C., and Simon, J. MS Society Task Force. Guidelines for the use of magnetic resonance techniques in monitoring the treatment of multiple sclerosis. *Annals of Neurology*, **96**, 6-16, 1996.
28. Leibenluft, E., **Albert, P.S.**, Rosenthal, N.E., and Wehr, T.A. The relationship between sleep and mood in patients with rapid cycling bipolar disorder. *Psychiatry Research* **63**, 161-168, 1996.
29. Morris, P.L., Robinson, R.G., DeCarvalho, M.I., **Albert, P.S.**, Wells, J.C., Samuels, J.F., Eden-Fetzer, D., and Price, T.R. Lesion characteristics and depressed mood in the stroke data bank study. *Journal of Neuropsychiatry and Clinical Neuroscience* **8**, 152-159, 1996.
30. McShane, L.M., **Albert, P.S.**, and Palmatier, M. A latent processes regression for spatially correlated counts. *Biometrics* **53**, 698-706, 1997.
31. **Albert, P.S.**, Follmann, D.A., and Barnhart, H.X. A generalized estimating equation approach for modeling random-length binary vector data. *Biometrics* **53**, 1116-1124, 1997.
32. Stone, L.A., Frank, J.A., **Albert, P.S.**, Bash, C.N., Calabresi, P.A., Maloni, H. and McFarland, H.F. Characterization of MRI response to treatment with interferon Beta 1b: contrast enhancing MRI lesion frequency as a primary outcome measure. *Neurology* **49**. 862-869, 1997.

33. **Albert, P.S.**, Hunsberger, S. A., and Biro, F. Modeling repeated measures with monotonic ordinal response and misclassification error, with applications to studying maturation. *Journal of the American Statistical Association* **92**, 1304-1312, 1997.
34. **Albert, P.S.** and Waclawiw, M.A. A two state Markov chain for heterogeneous transitional data: a quasi-likelihood approach. *Statistics in Medicine* **17**, 1481-1493, 1998.
35. Pfeffer, M.A., Domanski, M., Rosenberg, Y., Verter, J., Geller N., **Albert, P.**, Hsia, J., Braunwald, E. Prevention of events with angiotensin-converting enzyme inhibition (the PEACE study design). *American Journal of Cardiology* **82(3A)**, 25H-30H, 1998.
36. The CAMP Research Group (includes **Albert, P.S.**). Design and implementation of a patient education center for the childhood asthma management program. *Annals of Allergy, Asthma, and Immunology* **81**, 571-581, 1998.
37. **Albert, P.S.** Tutorial in Biostatistics: Longitudinal data analysis (repeated measures) in clinical trials. *Statistics in Medicine* **18**, 1707-1732, 1999.
38. Follmann, D.A., Hunsberger, S.A., and **Albert, P.S.** Repeated probit regression when covariates are measured with error. *Biometrics* **55**, 403-409, 1999.
39. The CAMP Research Group (includes **Albert, P.S.**). The childhood asthma management program (CAMP): design, rationale, and methods. *Controlled Clinical Trials* **20**, 91-120, 1999.
40. The CAMP Study Group (includes **Albert, P.S.**). Recruitment of Participants in the Childhood Asthma Management Program (CAMP): 1. Description of Methods. *Journal of Asthma* **36**, 217-237, 1999.
41. Follmann, D.A., and **Albert, P.S.** Bayesian monitoring of event rates with censored data. *Biometrics* **55**, 603-607, 1999.
42. The NETT Study Group (includes **Albert, P.S.**). Rationale and design of the National Emphysema Treatment Trial (NETT): A prospective randomized trial of lung volume reduction surgery. *Journal of Thorac. Cardio. Surgery* **118**, 518-528, 1999.
43. Shih, J. H. and **Albert, P.S.** A latent model for correlated binary data with diagnostic error. *Biometrics* **55**, 1232-1235, 1999.

44. **Albert, P.S.** A mover-stayer model for longitudinal marker data. *Biometrics* **55**, 1252-1257, 1999.
45. **Albert, P.S.** A transitional model for longitudinal binary data subject to nonignorable missing data. *Biometrics* **56**, 602-608, 2000.
46. **Albert, P.S.** and Follmann, D.A. Modeling repeated count data subject to informative dropout. *Biometrics* **56**, 667-677, 2000.
47. The CAMP Research Group (includes **Albert, P.S.**). Long-term effects of budesonide or nedocromil in children with asthma. *New England Journal of Medicine* **343**, 1054-1063, 2000.
48. Shen, J., Wenger, N., Glaspy, J., Hays, R. **Albert, P.S.**, Choi, C., Shelelle, P. A comparison of adjunct electroacupuncture, minimal needling, and usual antimetabolic pharmacotherapy for the treatment of breast cancer patients with myeloblastic chemotherapy induced nausea and vomiting. *The Journal of the American Medical Association* **284**, 2755-2761, 2000.
49. **Albert, P.S.**, McShane, L.M., Shih, J.H., and the U.S. National Cancer Institute (NCI) Bladder Tumor Marker Network. Latent class modeling approaches for assessing diagnostic error without a gold standard: with applications to p53 immunohistochemical assays in bladder tumors. *Biometrics* **57**, 610-619, 2001.
50. Gunzerath, L., Connelly, **Albert, P.S.**, and Knebel, A. Relationship of Personality Traits and Coping Strategies to Quality of Life in Patients with Alpha-1 Antitrypsin Deficiency. *Psychology Health and Medicine* **6**, 343-344, 2001.
51. Sunwoo, J.B., Herscher, L.L., Kroog, G.S., Thomas, G.R., Ondrey, F.G., Duffey, D.C., Solomon, B.L., Boss, C., **Albert, P.S.**, McCullugh, L., Rudy, S., Muir, C., Zhai, S., Figg, W.D., Cook, J.A., Mitchell, J.B., Van Waes, C. Concurrent paclitaxel and radiation in the treatment of locally advanced head and neck cancer. *Journal of Clinical Oncology* **19**, 800-811, 2001.
52. Wu, M.C., **Albert, P.S.**, and Wu, B.U. Adjusting for dropout in clinical trials with repeated measures: design and analysis issues. *Statistics in Medicine* **20**, 93-108, 2001.
53. Abnet, C.C., Borkowf, C.B., Qiao, Y.L., **Albert, P.S.**, Wang, E., Merrill, A.H., Mark, S.D., Dong, Z.W., Taylor, P.R., and Dawsey, S.M. Sphingolipids as biomarkers of Fumonisin exposure and risk of esophageal squamous cell carcinoma in china. *Cancer Causes and Control* **9**, 821-828, 2001.

54. Dorgan, J.F., Judd, J.J., **Albert, P.S.**, Brown, E. Corle, D., Campbell, W.S., Baer, D., Hartman, T., Tejpar, A., Clevidence, B.A., Griffen, C., Chandler, D.W., Stanczyk, F.Z., Taylor, P.R. Serum Hormones Potentially Mediate Alcohol-Breast Cancer Association in Postmenopausal Women. *The Journal of the National Cancer Institute* **93**, 710-715, 2001.
55. **Albert, P.S.**, Ratnasinghe, L., Tangrea, J., Wacholder, S. Limitations of the the case-only design for testing for gene-envirnoment interactions. *The American Journal of Epidemiology* **154**, 687-693, 2001.
56. Lanza, E., Schatzkin, A., Daston, C., Corle, D., Freedman, L., Ballard-Barbash, R., Caan, B., Lance, P., Marshall, J., Iber, F., Shike, M., Weissfeld, J., Slattery, M., Paskett, E., Mateski, D., **Albert, P.S.**. Implementation of a 4-year high fiber, high fruit/vegetable, low fat dietary intervention: results of dietary changes in the polyp prevention trial. *American Journal of Nutrition* **74**, 387-401, 2001.
57. Woodson, K., Lanza, E, Tangrea, J., **Albert, P.S.**, Slattery, M., Pinsky, J., Caan, B., Paskett, E., Iber, F., Kikendall, J.W., Lance, P., Shike, M., Weissfeld, J., and Schatzkin, A. the Polyp Prevention Study Group, and Schatzkin, A. Menopausal hormone use and poly recurrence among women participants of the polyp prevention trial. *Journal of the National Cancer Institute* **93**, 1799-1805, 2001.
58. Warren K.E., Patronas, N., Aikin, A.A., **Albert, P.S.**, and Balis, F.M. Comparison of Unidimensional (1D), Bidimensional (2D), and 3-Dimensional (3D) Measurements of Childhood Brain Tumors. *Journal of the National Cancer Institute* **93**, 1401-1405, 2001.
59. Hampl,M, Toshihide, T., **Albert, P.S.**, Lee, J., Ferrari, N., Fine, H.A. Therapeutic effects of viral vector-mediated antiangiogenic gene transfer in a malignant tumor ascites model. *Human Gene Therapy* **12**, 1713-1729, 2001.
60. Abnet, C.C., Borkowf, C.B., Qiao, Y.L., **Albert, P.S.**, Wang, E., Merrill, A.H., Mark, S.D., Dong, Z.W., Taylor, P.R., and Dawsey, S.M. A crossectional study of human serum sphingolipid levels with regard to dietary and physiological parameters. *Journal of Nutrition* **131**, 2748-2752, 2001.
61. Velasco, A., Hewitt S.M., **Albert, P.S.**, Saboorian, M.H., Rosenberg, H., Martinez, C., Linehan, W.M., Sagalowsky, A. I., McConnell, J.D., and Leach, F.S. Differential expression of the mismatch repair gene hMSH2 in malignant prostate tissue is associated with cancer recurrence. *Cancer* **94**, 690-6909, 2002.

62. Lee, J., Hampl, M., **Albert, P.**, Fine, H.A. Antitumor activity and prolonged expression from a TRAIL-Expressing adenoviral vector. In Press at Neoplasia. *Neoplasia* **4**, 312-323, 2002.
63. Hunsberger, S.A., **Albert, P.S.**, Follmann, D.A., and Suh E. Parametric and semiparametric approaches to testing for seasonal trend in serial count data. *Biostatistics* **3**, 289-298, 2002.
64. **Albert, P.S.**, McShane, L.M., and Korn, E.L. The design of a binary biomarker study from the results of a pilot study. *Biometrics* **58**, 576-585, 2002
65. Shen, J., Andersen, R., **Albert, P.S.**, Wenger, N., Glaspy, J., Cole, M., and Shekelle, P. Use of complementary/alternative therapies by women with advanced-stage breast cancer. *BMC Complementary and Alternative Medicine* **8**, 2002.
66. Van Gijssel, H.E., Divi, R.L., Olivero, O.A. Roth, M.J., Wang, G.Q., Dawsey, S.M., **Albert, P.S.**, Qiao, Y.L., Taylor, P.R., Dong Z.W., Schragar, J.A., Kleiner, D.E., and Poirier, M.C. Semi-quantitation of polycyclic aromatic hydrocarbon (PAH)-DNA adducts in human esophagus by immunohistochemistry and automated cellular imaging system. *Cancer Epidemiology, Biomarkers, and Prevention* **11**, 1622-1629, 2002.
67. **Albert, P.S.**, Follmann, D.A., Wang, S.A., and Suh, E.B. A latent autoregressive model for longitudinal data subject to informative missingness. *Biometrics* **58**, 631-642, 2002
68. Dorgan, J.F., Baer, D., **Albert, P.**, Judd, J.T., Brown, E.D., Corle, D., Campbell, W.S., Hartman, T.J., Tejpar, A.A., Clevidence, B.A., Griffen, C.A., Chandler, D.W., Stanczyk, F.Z. , and Taylor, P.R. Serum hormones and the alcohol breast cancer association in postmenopausal women. *Menopause Digest* **14**, 15-17, 2002.
69. Velasco, A., **Albert, P.S.**, Rosenberg, H., Martinez, C., and Leach F. Clinicopathologic implications of *hMSH2* gene expression and microsatellite instability in prostate cancer. *Cancer Biology and Therapy* **1**, 362-367, 2002.
70. Hu, N., Li, W.J., Su, H., Wang, A.M., **Albert, P.S.**, Emmert-Buck, M.R., Kong, L.H., Roth, M.J., Dawsey, S.M., He, L.J., Cao, S.F., Giffen, C. Taylor, P.R. Common genetic variants of TP53 and BRCA2 in esophageal cancer patients and healthy individuals from low and high risk areas of China. *Cancer Epidemiology and Biomarkers* **27**, 132-138, 2003.

71. Tillinghast, G. W., Partee, J., **Albert, P.S.**, Kelley, J.M., Burtow, K.H., and Kelly, K. Analysis of Genetic Stability at the EP300 and CREBBP Loci in a panel of cancer cell lines. *Genes, Chromosomes, and Cancer* **37**, 121-131, 2003.
72. Tangrea, J. A., **Albert, P.S.**, Lanza, E., Woodson, K., Slattery, M., Pinsky, J., Caan, B., Paskett, E., Iber, F., Kikendall, W., Lance, P., Shike, M., Weissfeld, J., Schatzkin, A., and the Polyp Prevention Study Group. Non-steroidal anti-inflammatory drug use is associated with reduced risk of colorectal adenomas: a prospective study among participants of the polyp prevention trial. *Cancer Causes and Control* **12**, 1112-1115, 2003.
73. Borkowf, C.B., **Albert, P.S.**, Abnet, C.C. Using Lowess to remove systematic trends in predictor variables before logistic regression with quantile-categories. *Statistics in Medicine* **22**, 1477-1493, 2003.
74. **Albert, P.S.** and Follmann, D.A. A random effects transitional model for binary longitudinal binary data with informative missingness. Invited paper for *Statistica Neerlandica* in a special volume: Incomplete Data: imputation and model based approaches. *Statistica Neerlandica* **57**, 100-111, 2003.
75. Colbert, L.H., Lacey, J.V., Schairer, C., **Albert, P.S.**, Schatzkin, A., and Albanes, D. Physical activity and the risk of endometrial cancer in a prospective study. *Cancer Causes and Control* **14**, 559-567, 2003.
76. Virtamo, J., Pietinen, P., Huttunen, J.K., Korhonen, P., Malila, N., Virtanen, M.J., Albanes, D., Taylor, P.R., **Albert, P.**, and the ATBC Study Group. Incidence of cancer and mortality following alpha-Tocopherol and beta-carotene supplementation: A postintervention follow-up. *The Journal of the American Medical Association* **290**, 476-485, 2003.
77. Roth, M.J., Baer, D.J., **Albert, P.S.**, Castonguay, T.W., Judd, J.T., Dorgan, J.F., Dawsey, S.M., Brown, E.D., Hartman, T.J., Campbell, W.S., Giffen, C.A., and Taylor, P.R. The association between serum leptin and alcohol consumption in a controlled feeding study. *Journal of the National Cancer Institute* **95**, 1722-1725, 2003.
78. Hu N., Goldstein, A. M., **Albert, P.S.**, Giffen, C., Ding, T., Dawsey, S.M., Taylor, P. R., and Emmert-Buck, M.R. Evidence for a familial cancer susceptibility gene on chromosome 13. *Cancer Biomarkers Epidemiology and Prevention* **12**, 1112-1115, 2003.
79. Spense, S.L., Dey, B.R., **Albert, P.**, Nissley, P., and Furlanetto, R.W. Interaction of 14-3-3 proteins with the insulin-like growth factor I receptor (IGFIR); evidence for a role of 14-3-3 proteins in IGFIR signaling.

Biochemical and Biophysical Research Communications **312**, 1060-1066, 2003.

80. **Albert, P.S.** and Shih J.H. Modeling tumor volume with random onset. *Biometrics* **59**, 897-906, 2003.
81. Lee, J., Elkahouloun, A.G., Ferrari, N., Xi. D., Smith, C., Cooper, R., **Albert, P.S.**, Fine, H.A. Cellular and Genetic characterization of human adult bone marrow-derived neural stem-like cells: A potential antiglioma cellular vector. *Cancer Research* **63**, 8877-8889, 2003.
82. Maranchie, J.K., Alfonso, A., **Albert, P.S.**, Kalyandrug, S., Phillips, J.L., Zhou, S., Peterson, J., Hurley, K., Riss, Y., Vasselli, J.R., Ried, T. Zbar, B., Choyke, P., Walther, M., Klausner, R.D., W. M. Linehan. Solid Renal Tumor Severity in von Hippel Lindau Disease is Related to Germline Deletion Length and Location. *Human Mutation* **23**, 40-46, 2004.
83. Chan, L.W., Moses, M.A., Goley, E., Sprouli, M., Muanza, T., Coleman, N., Figg, W., **Albert, P.S.** Menard, C., and Camphausen, K. Predictive significance of urinary vascular endothelial growth factor (VEGF) and matrix metalloproteinase (MMP) levels in patients with cancer. *Journal of Clinical Oncology* **22**, 499-500, 2004.
84. Hu, N., Wang, C., Su, H., Li, W.J., Emmert-Buck, M.R., Li, G., Roth, M.J., Dawsey, S.M., Lu, N., Giffen, C., **Albert, P.S.**, Taylor, P.R., Goldstein, A.M. High frequency of CDKN2A alterations in esophageal squamous cell carcinoma from a high-risk Chinese population. *Genes, Chromosomes, and Cancer* **39**, 205-216, 2004.
85. Gerschenson, M., Nguyen, V., Ewings, E.L., Ceresa, A., Shaw, J.A., St. Claire, M.C., Nagashima, K., Harbaugh, S.W., Harbaugh, J.W., Olivero, O.A., Divi, R.L., **Albert, P.S.**, and Poirier, M.C. Mitochondrial toxicity in fetal Erythrocebus patas monkeys exposed transplacentally to Zidovudine plus Lamivudine. *AIDS Research and Human Retroviruses* **20**, 91-100, 2004.
86. Shen, J., Andersen, R., Brook, R., Kominski, G., **Albert, P.S.**, Wenger, N. The effect of capitated risk sharing payment method on primary care physician' clinical decision-making. *Medical Care* **42**, 297-302, 2004.
87. Chackerian, B., Briglio, L., **Albert, P.S.**, Lowy, D.R., and Schiller, J.T. The induction of autoantibodies to CCR5 in macaques and subsequent effects upon challenge with an R5-tropic Simian/Human Immunodeficiency Virus. *Journal of Virology* **78**, 4037-4047, 2004.

88. Milenic, D.E., Garmestani, K., Dadachova, E., Chappell, L, **Albert, P.S.**, Hill, D., Schlom, J., and Brechbiel, M.W. Radioimmunotherapy of human colon carcinoma Xenografts using a ²¹³Bi-labeled domain-deleted humanized monoclonal antibody. *Cancer Biotherapy and Radiopharmaceuticals* **19**, 135-147, 2004.
89. Milenic, D.E., Garmestani, K., Brady, E.D., **Albert, P.S.**, Ma, D., Abdulla, A., and Brechbiel, M.W. Targeting of HER2 antigen for the treatment of disseminated peritoneal disease. *Clinical Cancer Research* **10**, 7834-7841, 2004.
90. Van Gijssel, H.E., Schild, L.J., Roth, M.J., Wang, G.Q., Dawsey, S.M., **Albert, P.S.**, Qiao, Y.L., Taylor, P.R., Dong, Z.W., and Poirier, M.C. Polycyclic aromatic hydrocarbon DNA adducts determined by semiquantitative immunoassay in human esophageal biopsies taken in 1985. *Mutation Research* **22**, 55-62, 2004.
91. **Albert, P.S.** and Dodd, L. A cautionary note on the robustness of latent class models for estimating diagnostic error without a gold standard. *Biometrics* **60**, 427-435, 2004.
92. Steck-Scott, S., Forman, M.R., Sowell, A., Borkowf, C.B., **Albert, P.S.**, Slattery, M., Brewer, B., Caan, B., Paskett, E., Iber, F., Kikendall, W., Marshall, J., Shike, M., Weissfeld, J., Synder, K., Schatzkin, A., Lanza, E., and the Polyp Prevention Trial Study Group. Carotenoids, vitamin A and risk of adenomatous polyp recurrence in the polyp prevention trial. *International Journal of Cancer* **112**, 295-305, 2004.
93. **Albert, P.S.**, Hunsberger, S.A., Hu, N., and Taylor, P. Identifying multiple change points in heterogeneous binary data with an applications in molecular genetics. *Biostatistics* **5**, 515-529, 2004.
94. Lavigne, J.A., Wimbrow, H.H., Judd, J.T., **Albert, P.S.** Reichman, M.E., Campbell, W.S., Clevidence, B.A., Barrett, J.C., Hursting, S.D., and Taylor, P.R. Effects of alcohol and menstrual cycle on insulin-like growth factor-I and Insulin-Like growth factor binding Protein-3. *Cancer Epidemiology Biomarkers and Prevention* **13**, 2264-2267, 2004.
95. Schmidt, L.S., Nickerson, M.L., Angeloni, D., Glenn, G.M., Walther, M.W., **Albert, P.S.**, Warren, M.B., Choyke, P.L., Torrs-Cabala, C.A. Merino, M.J., Brunet, J., Berez, V., Barras, J., Sesia, G., Middleton, L., Phillips, J.L., Stolle, C., Zbar, B., Pautler, S.E., and Linehan, W.M. Early onset hereditary papillary renal carcinoma: germline missense mutations in the tyrosine kinase domain of the MET proto-oncogene. *Journal of Urology* **172**, 1256-1261, 2004.

96. Korn, E.L., **Albert, P.S.**, and McShane, L.M. Assessing surrogates as trial endpoints using mixed models. *Statistics in Medicine* **24**, 163-182, 2005.
97. Hartman, T.J., **Albert, P.S.**, Snyder, K., Slattery, M.L., Caan, B., Paskett, E., Iber, F., Kikendall, J.W., Shike, M., Weissfeld, J., Brewer B., Schatzkin, A., and Lanza, E. The association of calcium and vitamin d with risk of colorectal adenomas. *Journal of Nutrition* **135**, 252-259, 2005.
98. Hartman, T.J., Baer, D.J., Graham, L.B., Stone, W.L., Gunter, E.W., Parker, C.E., **Albert, P.S.**, Dorgan, J.F., Clevidence, B.A., Campbell, W.S., Tomer, K.B., Judd, J.T., and Taylor, P.R. Moderate alcohol consumption and levels of antioxidant vitamins and isoprostanes in postmenopausal women. *European Journal of Clinical Nutrition* **35**, 252-259, 2005.
99. Lavigne, J.A., Baer, D.J., Wimbrow, H.H., **Albert, P.S.**, Brown, E.D., Judd, J.T., Campbell, W.S., Griffen, C.A., Dorgan, J.F., Hartman, T.J., Barret, J.C., Hursting, S.D., and Taylor, P.R. Alcohol-induced changes in insulin like growth factor-1 and insulin-like growth factor binding protein-3 in postmenopausal women. *American Journal of Clinical Nutrition* **81**, 503-507, 2005.
100. Borkowf, C.B. and **Albert, P.S.** Efficient estimation of risk of a disease by quantile-categories of a predictor variable using generalized additive models. *Statistics in Medicine* **24**, 623-645, 2005.
101. Roth, M.J., Paltoo, D.N., **Albert, P.S.**, Baer, D.J., Judd, J.T., Tangrea, J., Taylor, P.R. Common leptin receptor polymorphisms do not modify the effect of alcohol ingestion on serum leptin levels in a controlled feeding and alcohol ingestion study. *Cancer Epidemiology, Biomarkers, and Prevention* **14**, 1576-1578, 2005
102. Brooks, J.P., Danforth, D., **Albert, P.S.**, Sciuto, L.C., Smith, S., Camphausen, K.A., Poggi, M.M. Early ipsilateral breast tumor recurrences after breast conservation affects survival: An analysis of the NCI randomized trial. *International Journal of radiation Oncology, Biology, and Physics* **62**, 785-789, 2005.
103. Wei, W., Abnet, C.C., Lu, N., Roth, M.J., Dye, B.A., Dong, Z.W., Taylor, P.R., **Albert, P.S.**, Qiao, Y., Dawsey, S.M. Risk factors for esophageal squamous dysplasia in adult inhabitants of a high-risk region of china. *Gut* **54**, 759-763, 2005.

104. **Albert, P.S.** and Shen J. Modeling longitudinal semi-continuous emesis volume data with serial correlation in an acupuncture clinical trial. *Journal of the Royal Statistical Society-Series C: Applied Statistics* **54**, 707-720, 2005.
105. Cantwell, M.M., Forman, M.R., **Albert, P.S.**, Snyder, K., Schatzkin, A., Lanza, E, and The Polyp Prevention Trial Study Group. No association between fatty acid intake and adenomatous polyp recurrence in the Polyp Prevention Trial. *Cancer Epidemiology, Biomarkers, and Prevention* **14**, 2059-60, 2005.
106. Druzgal, C.H., Chen, Z., Yeh, N.Y., Thomas, G., Ondrey, F.G., Duffey, D.C., Vilela, R., Ende, K., McCullagh, L., Rudy, S.F., Muir, C., Hersher, L.L, **Albert, P.S.**, Van Waes, C. A pilot study of longitudinal serum cytokine and angiogenesis factor levels as markers of therapeutic response and survival in patients with head and neck squamous cell carcinoma. *Head and Neck* **27**, 771-784, 2005.
107. Muanza, T., **Albert, P.S.**, Smith, S., Godette, D., Sears-Crouse, N., Cooley-Zegela, T., Sciuto, L., Camphausen, K., Coleman, C.N., and Menard, C. Comparing measures of acute bowel toxicity in patients with prostate cancer treated with external beam radiation therapy. *International Journal of Radiation Oncology, Biology, and Physics* **62**, 1316-1321, 2005.
108. Hartman, T.J., Baer, D.J., Graham, L.B., Stone, W.L., Gunter, E.W., Parker, C.E., **Albert, P.S.**, Dorgan, J.F., Clevidence, B.A., Campbell, W.S., Tomer, K.B., Judd, J.T., and Taylor, P.R. Moderate alcohol consumption and levels of antioxidant vitamins and isoprostanes in postmenopausal women. *European Journal of Clinical Nutrition* **59**, 161-168, 2005.
109. **Albert, P.S.** and Hunsberger, S. On analyzing circadian rhythm data using non-linear mixed models with harmonic terms. *Biometrics* **61**, 1115-1120, 2005.
110. Hartman, T.J., Yu, B., **Albert, P.S.**, Slattery, M.L., Paskett, E., Kikendall, J.W., Iber, F., Brewer, B.K., Schatzkin, A., Lanza, E., and the Polyp Prevention Study Group. Does non-steroidal anti-inflammatory drug use modify the effect of a low-fat, high-fiber diet on recurrence of colorectal adenomas? *Cancer Prevention Epidemiology and Biomarkers* **14**, 2359-2365, 2005.
111. Paskett, E.D, Reeves, K.W., Pineau, B., **Albert, P.S.**, Caan, B., Hasson, M., Iber, F., Kikendall, J., Lance, P., Shike, M., Slattery, M.L.,

- Weissfeld, J., Kahle, L., Schatzkin, A., Lanza, E. The Association between cigarette smoking and colorectal polyp recurrence. *Cancer Causes and Control* **16**, 1021-1033, 2005.
112. Brooks, J.P., **Albert, P.S.**, Wilder, R.B., Gant, D.A., McLeod, D.G., and Poggi, M.M. Long-term salvage radiotherapy (SRT) outcome after radical prostatectomy (RP) and relapse predictors. *Journal of Urology* **174**, 2204-2208, 2005
 113. Milenic, D., Garmestani, K., Brady, E.D., **Albert, P.S.**, Ma, D., Abdulla, A., and Brechbiel. α -particle radioimmunotherapy of disseminated peritoneal disease using a ^{212}Pb -labeled radioimmunoconjugate targeting the HER2. *Cancer Biotherapy and Radiopharmaceuticals* **20**, 557-568, 2005.
 114. Brooks, J.P., **Albert, P.S.**, O'Connell, J.O., McLeod, D.G., and Poggi, M.M. Lymphovascular invasion (LVI) in prostate cancer: prognostic significance in patients treated with radiotherapy after radical prostatectomy (RP). *Cancer* **106**, 1521-1526, 2006.
 115. Lanza, E., Hartman, T.J., **Albert, P.S.**, Shields, R., Slattery, M., Caan, B., Paskett, E., Iber, F., Kikendall, J.W., Lance, P., Daston, C., Schatzkin, A., and the Polyp Prevention Study Group. High dry bean intake and reduced risk of advanced colorectal adenoma recurrence in the polyp prevention trial based cohort. *Journal of Nutrition* **136**, 1896-10-3, 2006.
 116. Brown, M.W., Ning, H., Arora, B., **Albert, P.S.**, Poggi, M., Camphausen, K., Citrin, D. A dosimetric analysis of dose escalation using two intensity modulated radiation therapy techniques in local advanced unresectable pancreatic carcinoma. *International Journal of Radiation Oncology* **65**, 274-283, 2006.
 117. Hudson, T.S., Forman, M.R., Cantwell, M.M., Schatzkin, A., **Albert, P.S.**, and Lanza, E. Dietary fiber intake: assessing the degree of agreement between the food frequency questionnaire and 4-day food records. *Journal of the American College of Nutrition* **25**, 370-381, 2006.
 118. Wanke, K. L., Daston, C., Slonim, A., **Albert, P.S.**, Snyder, K., Schatzkin, A., and Lanza, E. Adherence to the polyp prevention trial dietary intervention is associated with a behavioral pattern of adherence to nondietary trial requirements and general health recommendations. *The Journal of Nutrition*, **137** 391-398, 2007.

119. von Gegerfelt, A.S., Rosati, M., Valentin, A., Roth, P., Bear, J., Granchini, G., **Albert, P.S.**, Boyer, J.D., Weiner, D.B., Markham, P., Israel, Z.R., Eldridge, J.H., Pavlakis, G.N., and Felber, B.K. Long-lasting decrease of viremia in chronically SIVmac251-infected Macaques after therapeutic DNA immunization. *Journal of Virology* **81**, 1972-1979, 2007
120. Rodriguez-Canales, J., Hanson, J.A., Tangrea, M.A., Erickson, H.S., **Albert, P.S.**, Wallis, B., Richardson, A.S., Pinto, P.A., W.M. Linehan, Gillespie, J., Merino, M.J., Libutti, S., Woodson, K.G., Emmert-Buck, M.R., and Chuaqui, R.F. Identification of a unique epigenetic submicroenvironment in prostate cancer. *The Journal of Pathology* **211**, 410-419, 2007.
121. Singh, A.K., Menard, C., Guion, P., Simone, N.L., Smith, S., Crouse, N.S., Godette, D.J., Cooley-Zgela, T., Sciuto, L.C., Coleman, J., Pinto, P., **Albert, P.S.**, Camphausen, K., and Coleman, C.N. Intrarectal Amifostine suspension may protect against acute proctitis during radiation therapy for prostate cancer: A pilot study. *International Journal of Radiation Oncology, Biology, and Physics* **65**, 1008-1013, 2007.
122. Wong, W.T., Agron, E., Coleman, H.R. Reed, G.F., Csaky, K., Glenn, G., Linehan, W.M., **Albert, P.**, Chew, E.Y. Genotype-phenotype correlation in von-Hippel-Lindau disease with retinal angiomas. *Archives of Ophthalmology* **125**, 239-245, 2007.
123. O'Mahony D., Morris. J.C., Quinn, C., Gao, W., Wilson, W.H., Gause, B., Pittaluga, S., Neelapu, S., Brown, M., Fleischer, T., Gulley, J.L., Schlom, J., Nussenblatt, R., **Albert, P.**, Davis, T.A., Lowy, I., Petrus, M, Waldmann, T.A., and Janik, J. A pilot study of cytotoxic T-lymphocyte associated antigen 4 blockade after cancer vaccine failure in patients with advanced malignancy. *Clinical Cancer Research* **13**, 958-964, 2007.
124. Lattouf, J.B., Grubb, R.L. III, Lee, S.J., Bjurlin, M., **Albert, P.S.**, Singh, A.K., Ocak, I., Choyke, P., and Coleman, J. Magnetic resonance imaging-directed transrectal ultrasonography-guided biopsies in patients at risk of prostate cancer. *British Journal of Urology* **99**, 1041-1046, 2007.
125. Milenic, D.E., Garmestani, K., Brady, E.D., **Albert, P.S.**, Abdulla, A., Flynnm, J., and Brechbiel, M.W. Potentiation of high LET radiation by Gemcitabine: Targeting HER2 with Trastuzumab to treat disseminated peritoneal disease. *Clinical Cancer Research* **15**, 1926-1935, 2007.

126. **Albert, P.S.** Random effects modeling approaches for estimating ROC curves from repeated ordinal tests without a gold standard. *Biometrics* **63**, 593-602, 2007.
127. **Albert, P.S.** Imputation approaches for estimating diagnostic accuracy from multiple tests from partially verified designs. *Biometrics* **63**, 947-957, 2007.
128. Fine, H.A., Kim, L., **Albert, P.S.**, Duic, J.P., Ma, H., Figg, W.D., and Royce, C. A Phase I Trial of Lenalidomide in Patients With Recurrent Primary Central Nervous System Tumors. *Clinical Cancer Research* **13**, 7101-6, 2007.
129. Allen, C., Duffy, S., Teknos, T., Islam, M., Chen, Z., **Albert, P.S.**, Wolf, G.Y., and Van Waes, C. A prospective study of serial measurements of NF- $\alpha\beta$ related serum cytokines as biomarkers of response and survival in patients with advanced oropharyngeal squamous cell carcinoma receiving chemoradiation therapy. *Clinical Cancer Research* **13**, 3182-3190, 2007.
130. **Albert, P.S.** and Follmann, D.A. Random effects and latent process approaches for longitudinal binary data with missingness: With an application to the analysis of opiate clinical trial data. *Statistical Methods in Medical Research* **18**, 417-439, 2007.
131. Singh, A.K., Savani, B.N., **Albert, P.S.**, and Barret, A.J. Efficacy of CD34 positive cell dose in patients undergoing allogeneic peripheral blood stem cell transport with total body irradiation. *Biology of Blood and Marrow Transplantation* **13**, 339-344, 2007.
132. Brown, M.W., Brooks, J.P., **Albert, P.S.**, and Poggi, M.M. An analysis of erectile function after intensity modulated radiation therapy for localized prostate carcinoma. *Prostate Cancer and Prostatic Diseases* **10**, 189-193, 2007.
133. Erickson, H.S., **Albert, P.S.**, Gillespie, J.W., Wallis, B.S., Linehan, W.M., Gonzalez, S., Velasco, A., Chuaqui, R.F., and Emmert-Buck, M.R. Assessment of normalization strategies for quantitative RT-PCR using microdissected tissue samples. *Laboratory Investigation* **87**, 951-962, 2007.
134. Lanza, E., Yu, B., Murphy, G., **Albert, P.S.**, Caan, B., Marshall, J.R., Lance, P., Paskett, E., Weissfeld, J., Slattery, M., Burt, R., Iber, F., Shike, M., Kikendall, J.W., Brewer, B., Schatzkin, and the Polyp Prevention Trial Study Group. The polyp prevention trial continued follow-up study: No effect of a low fat, high fiber, high fruit and vegetable diet

on adenoma recurrence eight years after randomization. *Cancer Epidemiology, Biomarkers, and Prevention* **16**, 1745-1752, 2007.

135. Sharma, S., Litonjua A.A., Tantisira K.G., Fuhlbrigge A.L., Szeffler, S.J., Strunk, R.C., Zeiger, R.S., Murphy A.J., Weiss, S.T., and the Childhood Asthma Management Program Research Group (includes **Albert, P.S.**). Clinical predictors and outcomes of consistent bronchodilator response in the childhood asthma management program. *Journal of Allergy and Clinical Immunology* **122**, 921-928, 2008.
136. Ocak, I., Bernardo, M., Metzger, G., Barret, T., Pinto, P., **Albert, P.S.**, Choyke, P.L. Dynamic contrast-enhanced MRI of prostate cancer at 4 T: a study of pharmacokinetic parameters. *AJR Am J Roentgenol* **189**, 2007.
137. Soule, B.P., Simone, N.L., Savani, N.N., Ning, H., **Albert, P.S.**, Barrett, A.J., and Singh, A.K. Pulmonary function with or without lung shielding following total body irradiation and allogeneic peripheral blood stem cell transplant. *Bone Marrow Transplantation* **6**, 573-578, 2007.
138. Singh, A.K., Guion, P., Crouse, N.S., Ullmann, K., **Albert, P.S.**, Fichtinger, G., Choyke, P., Wood, B.J., Krieger, A., Ning, H. Simultaneous Integrated boost of biopsy proven MRI defined dominant intra-prostatic lesions to 95 Gray with IMRT: early results of a phase I NCI study. *Radiation Oncology* **2:36**, 2007.
139. **Albert, P.S.** and Dodd, L.E. On estimating diagnostic accuracy from studies with multiple raters and partial gold standard evaluation. *The Journal of the American Statistical Association* **103**, 61-73, 2008.
140. Bobe, G., Sansbury, L.B., **Albert, P.S.**, Kahle, L., Slattey, M., Caan, B., Paskett, E., Iber, F., Kikendall, J.W., Daston, C., Schatzkin, A., and Lanza, E. Dietary flavanoids and colorectal adenoma recurrence in the Polyp Prevention Trial. *Cancer Epidemiology, Biomarkers, and Prevention* **17**, 1344-1353, 2008.
141. Steffen-Smith, E., Wolters, P., **Albert, P.**, Baker, E., Shimoda, K., Barnett, A. and Warren, K. Detection and characterization of neurotoxicity in cancer patients using proton MR spectroscopy. *Child's Nervous System* **24** , 807-813, 2008.
142. Laiyemo, A.O., Murphy, G., **Albert, P.S.**, Sansbury, L., Wang, Z., Marcus, P.M., Caan, B., Marshall, J.R., Lance, P., Paskett, E.D., Weissfeld, J., Slattey, M.L., Burt, R., Iber, F., Shike, M., Kidendall. J.W., Schatzkin, A., and Lanza, E. Postpolypectomy colonoscopy surveillance

guidelines: predictive accuracy for advanced adenomas at 4 years. *Annals of Internal Medicine* **148**, 219-426, 2008.

143. Singh, A.K., Krieger, A., Lattouf, J.B., Guion, P., Grubb, R.L., **Albert, P.S.**, Metzger, G., Ullman, K., Smith, S., Fichtinger, G., Ocak, I., Choyke, P., Menard, C., Coleman, J. Patient Selection determines the prostate cancer yield of dynamic contrast-enhanced magnetic resonance imaging-guided transrectal biopsies in a closed 3-Tesla scanner. *BJU International* **101**, 181-185, 2008
144. Simone, N.L., Menard, C., Soule, B.P., **Albert, P.S.**, Guion, P., Smith, S., Godette, D., Crouse, N.S., Sciuto, L.C., Cooley-Zgela, T., Camphausen, K., Coleman, C.N., Singh, A.K. Intrarectal amifostine during external beam radiation therapy for prostate cancer produces significant improvements in Quality of Life measured by EPIC score. *International Journal of Radiation Oncology, Biology, and Physics* **70**, 90-95, 2008.
145. **Albert, P.S.** Modeling longitudinal biomarker data with multiple assays which have known detection limits. *Biometrics* **64**, 527-537, 2008.
146. Murphy, G., Sansbury, L.B., Laiyemo, A., Cross, A.J., **Albert, P.S.**, Wang, Z., Schatzkin, A., Lehman, T., Kalidindi, A., Modali, R., and Lanza, E. Folate and MTHFR: Risk of adenoma recurrence in the Polyp Prevention Trial. *Cancer Causes and Control* **19**, 751-758, 2008.
147. Milenic, D.E., Garmestani, K., Brady, E.D., **Albert, P.S.**, Wong, K.J., Flynn, J., and Brechbiel, M.W. Multimodality therapy: potentiation of high-LET radiation with paclitaxel for the treatment of disseminated peritoneal disease. *Clinical Cancer Research* **14**, 5108-5115, 2008.
148. Bobe, G., Barrett, K.G., Mentor-Marcel, R.A., Saffiotti, U., Young, M.R., Colburn, N.H., **Albert, P.S.**, Bennink, M. R., and Lanza, E. Dietary cooked navy beans and their fractions attenuate colon carcinogenesis azoxymethane-induced OB/OB obese mice. *Nutrition and Cancer-AN International* **60**, 373-381, 2008
149. Kelly, H.W., Van Natta, M.L., Covar, R.A., Tonascia, J., Green, R.P., Srunk, R.C. and the CAMP Research Group (includes **Albert, P.**). Effect of long-term corticosteroid use on bone mineral density in children: a prospective longitudinal assessment in the childhood Asthma Management Program (CAMP) study. *Pediatrics* **122**, 53-61, 2008.
150. Hayward, R.M., Patronas, N., Baker, E.H., Vezina, L., **Albert, P.S.**, and Warren, K.E. Interobserver variability in the measurement of intrinsic pontine gliomas. In Press at *Journal of Neuro Oncology* **90**, 57-61, 2008.

151. Sharma, S., Litonjua, A.A., Tantisira, K.G., Fuhlbrigge, A.L., Szeffler, S.J., Strunk, R.C., Zeiger, R.S., Murphy, A.J., Weiss, S.T., and the Childhood Asthma Management Program Research (includes **Albert, P.**). Clinical predictors and outcomes of consistent bronchodilator response in the childhood asthma management program. *Journal of Allergy and Clinical Immunology* **122**, 921-928, 2008.
152. Ghosh, P. and **Albert, P.S.** A Bayesian analysis for longitudinal semi-continuous data with an application to an acupuncture clinical trial. *Computational Statistics and Data Analysis* **53**, 699-706, 2009.
153. **Albert, P.S.** Estimating diagnostic accuracy of multiple binary tests with an imperfect reference standard. *Statistics in Medicine* **28**, 780-797, 2009.
154. Mentor-Marcel, R., Bobe, G., Barrett, K., Young, M.R., **Albert, P.S.**, Bennink, M.R., Lanza, E., Colburn, N.H. Inflammation-associated serum and colon markers as indicators of dietary attenuation of colon carcinogenesis in ob/ob mice. *Cancer Prevention Research* **2**, 60-69, 2009.
155. Laiyemo, A.O., Murphy, G., Sansbury, L., Wang, Z., **Albert, P.S.**, Marcus, P.M., Schoen, R.E., Cross, A.J., Schatzkin, A., Lanza, E. Hyperplastic polyps and the risk of adenoma recurrence in the Polyp Prevention Trial. *Clinical Gastroenterology and Hepatology* **14**, 5108-5115, 2009.
156. Hunsberger, S., **Albert, P.S.**, and London, W.B. A finite mixture survival model to characterize risk groups of neuroblastoma. *Statistics in Medicine* **28**, 1301-1314, 2009.
157. Kreisl, T.N., Kim, L., Moore, K., Duic, P., Royce, C., Stroud, I., Garen, N., Mackey, M., Butman, J., Camphausen, K., Park, J., **Albert, P.S.**, Fine, H.A. A Phase II trial of single agent Bevacizumab followed by Bevacizumab plus irinotecan at tumor progression in patients with recurrent glioblastoma. *Journal of Clinical Oncology* **27**, 740-745, 2009.
158. Murphy, G., Cross, A.J., Sansbury, L.S., Bergen, A., Laiyemo, A.O., **Albert, P.S.**, Wang, Z., Schatzkin, A., Lehman, T., Kalidindi, A., Modali, R., Lanza, E. Dopamine D2 receptor polymorphisms and adenoma recurrence in the Polyp Prevention Trial. *International Journal of Cancer* **124**, 2148-2151, 2009.
159. Turkbey, B., **Albert, P.S.**, Kurdziel K., and Choyke, P.L. Imaging of localized prostate cancer: current approaches and new developments. *American Journal of Roentgenology*. **192**, 1471-1480, 2009.

160. Citrin, D., Mansueti, J., Likhacheva, A., Sciuto, L., **Albert, P.S.**, Rudy, S., Colley-Zgela, T., Cotrim, A., Baum, B., Solomon, B., Colevas, D., Russo, A., Morris, J., Herscher, L., and Van Waes C. Long term outcomes and toxicity of concurrent Paclitaxel and radiation in the treatment of locally advanced head and neck cancer. *International Journal of Radiation Oncology, Biology, and Physics* **74**, 1040-1046, 2009.
161. Kreisl, T.N., Kim, L., Moore, K., Duic, P., Kotliarova, S. W., Walling, J., Musib, L., Thornton, D., **Albert, P.S.**, and Fine, H.A. A phase I trial of Enzastaurin in patients with recurrent gliomas. *Clinical Cancer Research* **15**, 3617-3623, 2009.
162. O'Mahony, D., Morris, J.C., Steler-Stevenson, M., Matthews, H., Brown, M.R., Fleischer, T., Pittaluga, S., Raffeld, M. **Albert, P.S.**, Kaucic, K., Hammershaimb, L., Waldmann, T.A., and Janik, J.E. EBV-related lymphoproliferative disease complicating therapy with the anti-CD2 monoclonal antibody siplizumab in patients with T-cell malignancies. *Clinical Cancer Research* **15**, 2514-2522, 2009.
163. Erickson, E., **Albert, P.S.**, Gillespie, J., Rodriguez-Canales, J., Linehan, W.M., Pinto, P., Chuaqui, R., and Emmert-Buck, M. Quantitative RT-PCR gene expression analysis of laser microdissected tissue samples. *Nature Protocols*. **4**, 902-922, 2009.
164. Forman, M.R., Borkowf, C.B., Cantwell, M.M., Steck, S., Schatzkin, A., **Albert, P.S.**, and Lanza, E. Components of variation in serum carotenoid concentrations: The polyp prevention study. *European Journal of Clinical Nutrition* **63**, 763-770, 2009.
165. Russo, A.L., Jedlicka, K., Wernick, M., McNally, D., Kirk, M. Sproull, M., Smith, S., Shankavaram, U., Kaushal, A., Figg, W.D., Dahut, W., Citrin, D., Bottaro, D.P., **Albert, P.S.**, Tofilon, P.J., Camphausen, K. Urine analysis and protein networking identify Met as a marker of metastatic prostate cancer. *Clinical Cancer Research* **15**, 4292-4298, 2009.
166. Sansbury, L.B., Wanke, K., **Albert, P.S.**, Kahle, L., Schatzkin, A., Lanza, E., and the Polyp Prevention Trial Study Group. The effect of strict adherence to a high-fiber, high-fruit and -vegetable, and low-fat eating pattern on adenoma recurrence. *American Journal of Epidemiology* **170**, 576-584, 2009
167. **Albert, P.S.** and Shih, J.H. On estimating the relationship between longitudinal measurements and time-to-event data using regression calibration. *Biometrics* **66**, 983-987, 2010.

168. Brahm, J.M., Schuemann, B., Fuhbrigge, A.L., Hollis, B.W., Strunk, R.C., Zieger, R.S., Weiss, S.T., Litonjua, A.A., and the Childhood Asthma Management Program Research Group (includes **Albert, P.**) *Journal of Allergy and Clinical Immunology* **126**, 52-58, 2010.
169. Mukherjee, S. Richardson, A.M., Rodriguez-Canales, Erickson, H.S., Player, A., Kawasaki, E.S., Pinto, P.A., Choyke, P. L., Merino, M.J., **Albert, P.S.**, Chuaqui, R.F., Emmert-Buck, M.R. Identification of Ep-CAM as a unique molecular target of prostate cancer stroma. *American Journal of Pathology* **175**, 2277-2287, 2009.
170. Milenic, D.E., Brady, E.D., Garmestani, K., **Albert, P.S.**, Abdulla, A., and Brechbiel, M.W. Improved Efficacy of Particle Targeted Radiation Therapy: Dual Targeting of epidermal growth factor receptor-2 and tumor-associated glycoprotein 72. *Cancer* **116**, 1059-1066, 2010.
171. Kreisl, T.N., Kotliarova, S., Butman, J.A., **Albert, P.S.**, Kim, L., Musib, L., Thornton, D., and Fine H.A. A Phase I/II trial of enzas-tarin in patients with recurrent high-grade gliomas. *Neuro Oncology* **12**, 181-189, 2010.
172. Iwamoto, F.M., Kreisl, T.N., Kim, L., Duic, J.P., Butman, J.A., **Al-bert, P.S.**, Fine, H.A. Phase 2 trial of talampanel, a glutamate recep-tor inhibitor for adults with recurrent malignant gliomas. *Cancer* **116**, 1776-1782, 2010.
173. Bobe, G., **Albert, P.S.**, Sansbury, L.B., Lanza, E., Schatzkin, A., Col-burn, N.H., and Cross, A.J. Interleukin-6 as a potential indicator for prevention of high risk adenoma recurrence by dietary flavonols in the Polyp Prevention Trial. *Cancer Prevention Research* **3**, 764-775, 2010.
174. **Albert, P.S.**, Harel, O., Perkins, N., and Browne, Richard. Using multiple assays subject to detection limits in assessing the relationship between exposure and outcome using regression modeling. *Epidemiology Suppl* **4**, S35-43, 2010.
175. Bobe, G., Murphy, G., Sansbury, L.B., Rogers, C.J., Hance, K.W., **Al-bert, P.S.**, Laiyemo, A.O., Sansbury, L.B., Lanza, E., Schatzkin, A., Cross, A.J., and the Polyp Prevention Study Group. Serum adiponectin, leptin, C-peptide, homocysteine, and colorectal adenoma recurrence in the Polyp Prevention Trial. *Cancer Epidemiology Biomarkers and Pre-vention* **19**, 14441-1452, 2010.
176. Hartman, T.J., **Albert, P.S.**, Zhang, Z., Bagshaw, D., Kris-Etherton, P.M., Ulbrecht, J., Miller, C., Colbert, N.H., and Lanza, E. Consump-tion of a legume-enhanced, low-glycemic index diet is associated with

biomarkers of insulin resistance and inflammation among men at risk for colorectal cancer. *The Journal of Nutrition* **140**, 60-67, 2010.

177. Whitcomb, B.W., Perkins, N.J., **Albert, P.S.**, and Schisterman, E.F. Treatment of batch in the detection, calibration, and quantification of immunoassays in large-scale epidemiologic studies. *Epidemiology* **21**, S44-S50, 2010.
178. Turkbey, B., Pinto, P.A., Mani, H., Bernardo, M., Pang, Y., McKinney, Y., Khurana, K., Ravizzini, G., **Albert, P.S.**, Merino, M.J., and Choyke, P.L. The value of multi-parametric MR imaging at 3T for the detection of prostate cancer: Histologic correlation. *Radiology* **255**, 89-99, 2010.
179. Bobe, G., Murphy, G., **Albert, P.S.**, Sansbury, L.B., Schatzkin, A., Lanza, E., Colburn, N.H. and Cross, A.J. Serum cytokine concentrations, flavonol intake and colorectal adenoma recurrence in the Polyp Prevention Trial. *British Journal of Cancer* **26**, 1453-1461, 2010.
180. **Albert, P.S.** and Shih, J.H. An approach for jointly modeling multivariate longitudinal measurements and time-to-event data. *Annals of Applied Statistics* **4**, 1517-1532, 2010.
181. Shih, J.H. and **Albert, P.S.** Modelling familial association of ages at onset of disease in the presence of competing risk. *Biometrics* **66**, 1012-1023, 2010
182. Erickson, H.S., Josephson, J.W., Vira, M., **Albert, P.S.**, Gillespie, J.W., Rodriguez-Canales, J., Pinto, P.A., Chuaqui, R.F., Emmert-Buck, M.R., and Coleman, J.A. Influence of hypoxia induced by minimally invasive prostatectomy on gene expression: implications for biomaker analysis. *American Journal of Translational Research* **2**, 210-222, 2010.
183. Bobe, G., **Albert, P.S.**, Sansbury, L.B., Lanza, E., Schatzkin, A., Colburn, N.H., and Cross, A.J. Interleukin-6 as a potential indicator for prevention of high risk adenoma recurrence by dietary flavonols in the Polyp Prevention Trial. *Cancer Prevention Research* **3**, 764-775, 2010.
184. Hunsberger, S., **Albert, P.S.**, Dodd, L.E. A discrete-time survival model for outcomes with measurement error and a subsample of outcomes with error. In Press at *Clinical Trials: Journal of the Society for Clinical Trials* **7**, 634-642, 2010.
185. Chetty-John, S., Zhang, J., Chen, Z, **Albert, P.S.**, Sun, L., Klebanoff, M. , and Grewal, U. Long-term physical and neurologic development in

newborn infants with isolated single umbilical artery. *American Journal of Obstetrics and Gynecology* **203**, e1-e7, 2010.

186. Bobe, G., Murphy, G., **Albert, P.S.**, Sansbury, L.B., Young, M.R., Lanza, E., Schatzkin, A., Colburn, N.H., and Cross, A.J. Do interleukin polymorphisms play a role in the prevention of colorectal adenoma recurrence by dietary flavonols? *The European Journal of Cancer* **20**, 86-95, 2011.
187. Zhang, Z., Himes, J.H., Addo Yaw, O., Hediger, M.L., **Albert, P.S.**, Gollenberg, A.L., Lee, P.A., and Louis, G.M.B. A two-part model for reference curve estimation subject to a limit of detection. *Statistics in Medicine* **30**, 1455-1465, 2011.
188. Chen, Z., Zhang, B., and **Albert, P.S.** A Joint modeling approach to data with informative cluster size: robustness to the cluster size model. *Statistics in Medicine* **30**, 1825-1836, 2011.
189. Zhang, Z. and **Albert, P.S.** Binary regression analysis with pooled exposure measurements: a regression calibration approach. *Biometrics* **67**, 636-645, 2011.
190. Pollack, A.Z., Schisterman, E.F., Goldman, L.R., Mumford, S.L., **Albert, P.S.**, Jones, R.L., Wactawski-Wende, J. Cadmium, lead, and mercury in relation to reproductive hormones and anovulation in premenopausal women. *Environmental Health Perspectives* **119**, 1156-1161, 2011.
191. Hayes, L., Zhang, Z., **Albert, P.**, Zervas, M., and Ahn, S. The timing of Sonic Hedgehog and Gli1 expression segregates midbrain dopamine neurons. *Journal of Comparative Neurology* **15**, 3001-3018, 2011.
192. Hartman, T.L., Zhang, Z., **Albert, P.S.** Bagshaw, D., Mentor-Marcel, R., Mitchell, D.C., Colburn, N.H., Krisetherton, Lanza, E. Reduced energy intake and weight loss on a legume-enriched diet lead to improvements in biomarker related to chronic disease. *Topics in Nutrition* **26**, 208-215, 2011.
193. Zhang, Z., Lanza, E., Ross, A.C., **Albert, P.S.**, Colburn, N.H., Rovine, M.J., Bagshaw, D., Ulbrecht, J.S., and Hartman, T.J. A high-legume low-Glycemic index diet reduces fasting plasma leptin in middle-aged insulin-resistant and -sensitive men. *European Journal of Clinical Nutrition* **65**, 415-418, 2011.

194. Simons-Morton, B.G., Oulmet, M.C., Zhang, Z., Lee, S.E., Klauer, S.E., Wang, J., Chen, R., **Albert, P.S.**, and Dingus, T.A. The effect of passengers and risk-taking friends on risky driving and crashes/near crashes among novice teenagers. *Journal of Adolescent Health*. **49**, 587-593, 2011.
195. Simons-Morton, B.G., Ouimet, M.C., Zhang, Z., Lee, S.L., Klauer, S.E., Wang, J., Chen, R., **Albert, P.S.**, Dingus, T.A. Crash and risky driving involvement among novice adolescent drivers and their parents. *The American Journal of Public Health* **101**, 2362-2367, 2011.
196. Sanders, K.L. Thoma, M.E., Yu, K., **Albert, P.S.** An evaluation of the natural history of bacterial vaginosis using transition models. *Sexually Transmitted Diseases* **38**, 1131-1136, 2011.
197. Ray, G. L., Baidoo, K.E., Keller, L. M. M., **Albert, P.S.**, Brechbiel, M., and Milenic, D. E. Pre-clinical assessment of 177-Lu-labeled Trastuzumab targeted HER2 for treatment and management of cancer patients with disseminated intraperitoneal disease. *Pharmaceuticals* **22**, 1-15, 2011.
198. Hartman, T.J., Mahabir, S., Stevens, R.G., **Albert, P.S.**, Dorgan, J.F., Kesner, J.S., Meadows, J.S., Shields, R., and Taylor, P.R. Moderate alcohol consumption and 24-hour urinary levels of melatonin in post-menopausal women. *Journal of Clinical Endocrinology and Metabolism* **97**, E65-E68, 2012.
199. **Albert, P.S.** A linear mixed model for predicting a binary event under random effects misspecification. *Statistics in Medicine*, **31**, 143-156, 2012.
200. Zhang, B., Chen, Z., and **Albert, P.S.** Latent class models for joint analysis of disease prevalence and high dimensional semicontinuous data. *Biostatistics* **13**, 74-88, 2012.
201. Malinovsky, Y., **Albert, P.S.**, and Schisterman, E.F. Pooling designs for outcomes under a Gaussian random effects distribution. *Biometrics* **68**, 45-52, 2012.
202. Liu, A., Liu, C., Zhang, Z., and **Albert, P.S.** Optimality of group testing in the presence of misclassification. *Biometrika* **99**, 245-251, 2012.
203. Winer, K.K., Zhang, B., Shrader, J., Peterson, D., Sinaii, N., Smith, M., **Albert, P.S.**, and Cutler, G. Synthetic human parathyroid hormone 1-34 replacement therapy: a randomized crossover trial comparing pump

versus injections in the treatment of chronic hypoparathyroidism. *The Journal of Clinical Endocrinology & Metabolism* **97**, 391-399, 2012.

204. Lipsky, L.M., Cheon, K., Nansel, T.R., and **Albert, P.S.**. Candidate measures of whole plant food intake related to biomarkers of nutrition and health in the US population. *Nutritional Research* **32**, 251-259, 2012.
205. Zhang, Z., **Albert, P.S.**, and Simons-Morton, B. Marginal analysis of longitudinal count data in long sequences: methods and applications to a driving study. *Annals of Applied Statistics* **6**, 27-54, 2012.
206. Ogbagaber, S, **Albert, P.S.**, Lewin, D., and Iannotti, R. Summer activity patterns among teenage girls: Harmonic shape invariant modeling to estimate circadian cycles. *Journal of Circadian Rhythms* **10**, 2, 2012.
207. Bobe, G., Murphy, G., **Albert, P.S.**, Sansbury, L.B., Lanza, E., Schatzkin, A. and Cross, A.J. Dietary ligan and proanthocyanidin consumption and colorectal adenoma recurrence in the polyp prevention trial. *International Journal of Cancer* **130**, 1649-1659, 2012.
208. Zhang, J., Kim, S.D., Grewal, and **Albert, P.S.**. Predicting large fetuses at birth: do multiple ultrasound examinations and longitudinal statistical modeling improve prediction? *Paediatric and Perinatal Epidemiology* **26**, 199-207, 2012.
209. Simons-Morton, Zhang, Z., Jackson, J.C., and **Albert, P.S.** Do elevated gravitational force events while driving predict crashes and near crashes? *American Journal of Epidemiology* **175**, 1075-1079, 2012.
210. Brown, D.A., Hance, K.W., Rogers, C. J., Sansbury, L.B., **Albert, P.S.**, Murphy, G., Laiyemo, A., Wang, Z., Cross, A.J., Schatzkin, A., Danta, M., Srasuebku, P., Amin, J., Law, M., Breit, S.N., and Lanza, E., Serum macrophage inhibitory cytokine-1 (MIC-1/GDF15): a potential screening tool for the prevention of colon cancer. *Cancer Epidemiology Prevention and Biomarkers* **21**, 337-348, 2012.
211. Erickson, H. S., Canales, J.R., **Albert, P.S.**, Yala, K., Mukherjee, S., Hu, N., Goldstein, A.M., Chuaqui, R.F., Hewitt, S.A., Taylor, P.R., and Emmert0-Buck, M.R. Interrogation of Chromosome 13q12-14 esophageal squamous cell carcinoma. *The Open Pathology Journal* **6**, 8-16, 2012.
212. Zhang, B., Chen, Z., **Albert, P.S.** Estimating diagnostic accuracy of raters without a gold standard by exploiting a group of experts. *Biometrics* **68**, 1294-1302, 2012.

213. Danaher, M.R., Schisterman, E.F., Roy, A., and **Albert, P.S.** Estimation of gene-environment interaction by pooling biospecimens. *Statistics in Medicine* **31**, 3241-3252, 2012.
214. Cheon, K., **Albert, P.S.**, and Zhang, Z. The impact of random effect misspecification on percentile estimation for longitudinal growth data. *Statistics in Medicine* **31**, 3708-3718, 2012.
215. Jackson, J., **Albert, P.S.**, Zhang, Z., and Simons-Morton, B. Ordinal latent variable models and their application in the study of newly licensed teenage drivers. *Journal of the Royal Statistical Society- Series C* **62**, 435-450, 2013.
216. Kim, S., Chen, Z., Zhang, Z., Simons-Morton, B., and **Albert, P.S.**. Bayesian hierarchical Poisson regression models: an application to a driving study with kinematic events. *The Journal of the American Statistical Association* **108**, 494-503, 2013.
217. Mitchell, J.B., Anvers, M.R., Sowers, A.L., Rosenberg, P.S., Figueroa, M., Thetford, A., **Albert, P.S.**, and Cook, J.A. The antioxidant tempol reduces carcinogenesis and enhances survival in mice when administered after non-lethal total body radiation. *Cancer Research* **72**, 4846-4855, 2012.
218. Mumford, S.L., Steiner, A. Z., Pollack, A.Z., Perkins, N.J., Filiberto, A. C., **Albert, P.S.**, Mattison, D.R., Wactawski-Wende, J., Schisterman, E.F. The hormonal profile and its effects on menstrual cycle length. *The Journal of Clinical Endocrinology & Metabolism* **31**, 3241-3252, 2012.
219. Fan, R. Zhang, Y., **Albert, P.S.**, Liu, A., Wang, Y., and Xiong, M. Longitudinal genetic analysis of quantitative traits. *Genetic Epidemiology* **36**, 856-869, 2012.
220. Yeung, E. H., Zhang, C. **Albert, P.S.**, Ye, A., Mumford, S.L., Perkins, N.J., Hediger, M.L., Wactawski-Wende, J., and Schisterman. E.F. The influence of adiposity on menstrual cycle patterns of sex hormones: the BioCycle Study. In Press at *The International Journal of Obesity* **37**, 237-243, 2013.
221. Simons-Morton, B.G., Cheon, K., Guo, F., and **Albert, P.S.** Trajectories of kinematic risky driving among novice teenagers. *Accident Analysis & Prevention* **51C**, 27-32, 2013.
222. Waldman, T.A., Colon, K.C., Stewart, D.M., Worthy, T.A., Janik, J.E., Fleisher, T.A., **Albert, P.S.**, Figg, W.D., Spencer, S.D., Decker, J.R.,

- Goldman, C.K., Bryant, B.R., Petrus, M.N., Creekmore, S.P., Morris, J.C. Phase I clinical trial of blockade of IL-15 transpresentation using humanized Mik-Beta-1 monoclonal antibody directed toward IL-2/IL-15R beta in patients with T-cell large granular lymphocytic leukemia. In press at *Blood* **121**, 476-484, 2013.
223. Xie, Y., Chen, Z., and **Albert, P.S.**. Crossed random effects modeling approaches for estimating diagnostic accuracy from ordinal tests without a gold standard. *Statistics in Medicine* **32**, 3472-3485, 2013.
 224. Sjaarda, L.A., **Albert, P.S.**, Mumford, S.L., Hinkle, S.N., Mendola, P., **Laughon, S. K.** Customized large-for-gestational-age birthweight at term and the association with adverse perinatal outcomes. *American Journal of Obstetrics and Gynecology* **210**, e1-e11, 2014.
 225. Cheon, K., Thoma, M., Kaigang, Li, and **Albert, P.S.** A mixture of Markov models for Heterogeneous longitudinal ordinal data: with applications to analyzing longitudinal bacterial vaginosis data. In press at *Statistics in Medicine*.
 226. Boghossian, N.S., Yeung, E.H., Lipsky, L.M., Poon, A.K., and **Albert, P.S.** Dietary indices in association with postpartum weight retention. *American Journal of Clinical Nutrition* 97:1338-1345, 2013.
 227. **Albert, P.S.**, Liu, A., and Nansel, T. Design for logistic regression under an imperfect population identifier. In Press at *Biometrics*.
 228. Hunsberger, S.A., **Albert, P.S.**, and Thoma, M. Approaches for retrospective sampling for longitudinal transition regression models. In Press at Special issue on Statistics at the National Institutes of Health in *Statistics and its Interface*.
 229. Poon, A., Yeung, E., Boghossian, N., **Albert, P.S.**, and Zhang, C. Maternal diet quality in association with birth weight characteristics and early infant growth. *Scientifica* 2013:2013:786409, 2013.
 230. Laughon, S.K., **Albert, P.S.**, Leishear, K., and Mendola, P. The NICHD Consecutive Pregnancies Study: Recurrent preterm delivery by subtype. *American College of Obstetrics and Gynecology* 210:131.e1-8, 2013.
 231. Lai Y. and **Albert, P.S.** Identifying multiple change-points in a linear mixed model. In press at *Statistics in Medicine* **33**, 1015-1028, 2014.
 232. Hinkle, S.N., **Albert, P.S.**, Sjaarda, L.A., Mendola, P., Boghossian, N., Yeung, E., and Laughon, S.K. The association between parity and

- birthweight in a longitudinal consecutive pregnancy cohort. *Pediatric and Perinatal Epidemiology* **28**, 106-115, 2014.
233. Cheon, K., Thoma, M., Kaigang, Li, and **Albert, P.S.** A mixture of Markov models for Heterogeneous longitudinal ordinal data: with applications to analyzing longitudinal bacterial vaginosis data. In press at *Statistics in Medicine*.
 234. Boghossian, N.S., Yeung, E., Mendola, P., Hinkle, S.N., Laughon, S.K., Zhang, C., and **Albert, P.S.** Changes in diabetes status between pregnancies and impact on subsequent newborn outcomes. In press at *Obstetrics and Gynecology*.
 235. Ehsani J., Simons-Morton, B., **Albert, P.S.**, and Klauer, S.G. The association between kinematic risky driving among parents and their teenage children. In Press at the Journal of Adolescent Health.
 236. Boghossian, N.S., Yeung, E., Mendola, P., Hinkle, S.N., Laughon, S.K., Zhang, C., and **Albert, P.S.** Predictive factors differ between recurrent and incident preeclampsia. In Press at *American College of Obstetrics and Gynecology*.
 237. Winer, K.K., Fulton, K, Peterson, D.,Nixon-Jones, **Albert, P.S.**, and Cutler, G.B. Effectiveness of parathyroid hormone 1-34 replacement therapy via pump versus twice daily injections: a randomized crossover study in children with severe congenital hypoparathyroidism. In press at *Journal of Pediatrics*.
 238. Hinkle, S.N., **Albert, P.S.**, Boghossian, N.S., Mendola, P., Sjaarda, L. A., Yeung, E., and Laughon, K. Differences in risk factors for incidence and recurrent small-for-gestational-age birthweight: a hospital-based cohort study. In press at *British Journal of Obstetrics and Gynecology*
 239. Goodman, M., Lakind, J.S., Fagliano, J.A., Lash, T.L., Wiemels, J.L., Winn, D.M., Patel, C., Van Eenwyk, Kohler, B.A., Schisterman, E.F., **Albert, P.S.**, and Mattison, D.R. Cancer cluster investigations: review of the past and proposals for the future. In press at *International Journal of Environmental Research and Public Health*.
 240. **Albert, P.S.** and Shih, J.H. Modeling batched Gaussian longitudinal data subject to informative dropout. In press at *Statistical Methods in Medical Research*.
 241. Liu, D., and **Albert, P.S.** Combination of longitudinal biomarkers in predicting binary events. Positively Reviewed and Revised for *Biostatistics*.

242. Fulton, K. A., Liu, D., Haynes, D.L., and **Albert, P.S.** Zero-inflation in clustered binary response data: mixed models and generalized estimating equations approaches. Revised for publication in the *Annals of Applied Statistics*.
243. Jackson, J.C., **Albert, P.S.**, and Zhang, Z. A two-state mixed hidden Markov model for risky teenage driving behavior. Revised for *Annals of Applied Statistics*
244. Malinovsky Y. and **Albert, P.S.** A note on the minimax solution for the two-stage group testing problem. Revised for *The American Statistician*.
245. Downes, K.L., Hinkle, S.N., Sjaarda, L.A., **Albert, P.S.**, and Laughon, S.K. Prior prelabor or intrapartum cesarean delivery and risk of placenta previa. Submitted for publication.
246. McLain, A.C. and **Albert, P.S.** Modeling longitudinal data with a random change point and no time-zero: applications to inference and prediction of the labor curve. Invited revision for *Biometrics*
247. Shih, J.H., **Albert, P.S.**, Mendola, P., and Laughon, S.K. Risk prediction in consecutive time-to-event outcomes subject to a competing event: application to predicting preterm birth in repeated pregnancies. Submitted for publication.
248. Tran, V., Liu, D., Pradhan, A.K., Bingham, R., Simons Morton, B., and **Albert, P.S.** Assessing risk-taking in a driving simulation study: modeling longitudinal semi-continuous driving data using a two part regression model with correlated random effects. Submitted for publication.
249. Zhang, B., Liu, W., Zhang, Z., Chen, Z., **Albert, P.S.** Modeling of correlated data with informative cluster size: an evaluation of joint modeling and within-cluster resampling approaches. Submitted for publication.
250. Ehsani, J.P., Perlus, J., Simons-Morton, B., and **Albert, P.S.** Association between cell phone restriction and teens' self reported cell phone use while driving. Submitted for publication.
251. Malinovsky, Y., **Albert, P.S.**, and Roy, A. A note on the evaluation of group testing algorithms in the presence of misclassification. In preparation.
252. **Albert, P.S.** Estimating recurrence and incidence of preterm birth subject to measurement error in gestational age. In preparation.

Letters to the Editor:

253. Zeger, S.L., Liang, K.Y., and **Albert, P.S.**. Comments on “The interpretation of a regression coefficient”. *Biometrics* **47**, 1595-1596, 1991.
254. **Albert, P.S.** Comments on “Exact likelihood evaluation in a Markov mixture model for time series of seizure counts”. *Biometrics* **48**, 322-323, 1992.
255. Shen, J., Wenger, N., Glaspy, J., Hays, R., **Albert, P.S.**, Choi, C., and Shelelle, P. Methodological issues in trials of acupuncture. *The Journal of the American Medical Association* **285**, 1015-1016, 2001.
256. Korn, E.L., **Albert, P.S.**, and McShane, L.M. Rejoinder to commentary by Dr. Lawrence Freedman on “Assessing surrogates as trial endpoints using mixed models”. *Statistics in Medicine* **24**, 163-182, 2005.
257. **Albert, P.S.** On the interpretation of marginal inference with a mixture model for clustered semi-continuous data. *Biometrics* **61**, 879-880, 2005.

Commentaries:

258. Fan, R., **Albert, P.S.**, and Schisterman, E.F. A discussion of longitudinal genetic analysis as well as gene-gene and gene-environment interactions of complex traits. *Statistics in Medicine* **31**, 2565-2568, 2012.
259. **Albert, P.S.** and Schisterman, E.F. Novel statistical methodology for analyzing longitudinal biomarker data: a discussion. *Statistics in Medicine* **31**, 2457-2460, 2012.
260. Schisterman, E.F., and **Albert, P.S.** The Biomarker Revolution. *Statistics in Medicine* **31**, 2513-2515, 2012.
261. Schisterman, E.F. and **Albert, P.S.** Introduction: Special Issue: Biomarker Working Group: Issues in the Design and Analysis of Epidemiologic Studies with Biomarkers. *Statistics in Medicine* **31**, 2399, 2012.

Peer-reviewed Papers in Edited Books

262. Wu, M., Borkowf, C. and **Albert, P.S.** The analysis of longitudinal quality of life data with informative dropout. *Statistical Design, Measurement, and Analysis of Health Related Quality of Life*. Edited by Mounif Mesbah, Bernard Cole, and Mei-ling Ting Lee. Kluwer Academic Publishers, 2002.
263. **Albert, P.S.** and Wu, M.C. Longitudinal data analysis with missingness. *Advances in Clinical Trial Biostatistics*. Edited by Nancy Geller. Marcel Dekker, 2004.

264. **Albert, P.S.** Longitudinal data analysis (repeated measures) in clinical trials. *Tutorials in Biostatistics: Volume 1*. Edited by Ralph D'Agostino, Wiley Press, 2004.
265. **Albert, P.S.** and Follmann, D.A. Shared random parameter models. *Longitudinal Data Analysis: A Handbook of Modern Statistical Methods*. Edited by G. Fitzmaurice, M. Davidian, G. Verbeke, and G. Molenberghs. Chapman and Hall Press, 2008.
266. Rodriguez-Canales, J., Tangrea, M.A., Mukerjee, S., Erickson, H.S., **Albert, P.S.**, Majumdar, Z., Bonner, R.F., Pohida, T., Emmert-Buck, M.R., and Chuaqui, R. Tissue microdissection as a tool to study disease. *High-Throughput Image Reconstruction and Analysis*. Edited by A. Ravishankar Rao and Guillermo A. Cecchi. Artech House, 2009.
267. **Albert, P.S.** A transition model for longitudinal binary data subject to nonignorable missing data. *Social Statistics*. Edited by Roger Penn and Damon Berridge. Sage Publications, London, 2010.
268. **Albert, P.S.**, Hunsberger, S.A., and Biro, F.M. Modeling Repeated Measures with Monotonic Ordinal Response and Misclassification, with Application to Studying Maturation. *Social Statistics*. Edited by Roger Penn and Damon Berridge. Sage Publications, London, 2010.
269. **Albert, Sundaram, R.**, and McLain, A. C. Innovative Applications of shared random parameter models for analyzing longitudinal data subject to dropout, *ISS-2012 Proceedings Volume on Longitudinal Data Analysis Subject to Measurement Errors*, Edited by Brajendra Sutradhar. Lecture Notes in Statistics 211, 2013.

Book Chapters:

270. **Albert, P.S.** and Borkowf, C. An introduction to biostatistics: randomization, hypothesis testing, and sample size. *Principles and Practice of Clinical Research*. Edited by John Gallin. Academic Research, 2002.
271. Johnson, L.L., Borkowf, C., and **Albert, P.S.** An introduction to biostatistics: randomization, hypothesis testing, and sample size. *Principles and Practice of Clinical Research, 2nd Edition*. Edited by John Gallin. Academic Press, 2007.
272. Rodriguez-Canales, J., Tangrea, M.A., Mukerjee, S., Erickson, H.S., **Albert, P.S.**, Majumdar, Z., Bonner, R.F., Pohida, T., Emmert-Buck, M.R., and Chuaqui, R. Tissue microdissection as a tool to study disease. *High-Throughput Image Reconstruction and Analysis*. Edited by A. Ravishankar Rao and Guillermo A. Cecchi. Artech House, 2009.

273. **Albert, P.S.** The analysis of categorical data in medical studies. *Medical Uses of Statistics, 3rd Edition*. Edited by John C. Bailar and David C. Hoaglin, Frederick Mosteller. Wiley Press and the New England Journal of Medicine, 2009.
274. Johnson, L.L., Borkowf, C., and **Albert, P.S.** Power and sample size calculations. *Principles and Practice of Clinical Research, 3rd Edition*. Edited by John I. Gallin and Frederick P. Ognibene. Academic Press, 2012.

Encyclopedia Contributions:

275. **Albert, P.S.** Misclassification Models. *Encyclopedia of Biostatistics, 2nd Edition*. Editors: Peter Armitage and Theodore Colton, Wiley Press, 2005.

Book Reviews:

276. **Albert P.S.** Statistical models for longitudinal studies of health. *Journal of the American Statistical Association* **88**, 378-379, 1993.
277. **Albert, P.S.** and Lange, N. Random coefficient models. *Journal of the American Statistical Association* **90**, 801-802, 1995.
278. **Albert, P.S.** Correlated Data Analysis. *Journal of the American Statistical Association* **103**, 1709-1710, 2008.

Invited Talks and Seminars

1. Design and analysis of a panel study under an alternating Poisson Process assumption. NIH, February 1988.
2. Design of a panel study under a Markov assumption. Department of Statistics. Carnegie Mellon University. February 1988.
3. Design of a panel study under a Markov assumption. Biostatistics section. University of Indiana Medical School. February 1988.
4. Design and analysis of a panel study under an alternating Poisson Process assumption. Columbia University, February 1988.
5. Design of a panel study under an alternating Poisson process assumption. Washington Statistical Society Talk, February 1989.

6. A two state Markov mixture model for a time series of epileptic seizure counts. Department of Biostatistics, Johns Hopkins University, November 1990.
7. A two state Markov mixture model for a time series of epileptic seizure counts. Biostatistics Section, Dartmouth Medical School, July 1991.
8. A Markov model for ordinal repeated measures data from a relapsing-remitting disease. ENAR meetings, Cincinnati, March 1992.
9. Time series for modeling counts from a relapsing-remitting disease: applications to modeling disease activity in multiple sclerosis. National Institutes of Health conference on current topics in biostatistics, Bethesda Maryland, January 1993.
10. Time series for counts from a relapsing-remitting disease. Department of Biostatistics, Medical College of Virginia, January 1993.
11. Time series for counts from a relapsing-remitting disease. Center for Epidemiology and Biostatistics, University of Pennsylvania, February 1993.
12. Modeling counts from a relapsing-remitting disease. Department of Biostatistics, University of Washington, January 1994.
13. The use of serial MRI as an outcome measure in phase II trials of early relapsing-remitting multiple sclerosis. National Multiple Sclerosis Society international workshop on "outcomes assessment in MS clinical trials", Charleston, February 1994.
14. Modeling counts from a relapsing-remitting disease. Department of Biostatistics. Cleveland Clinic Foundation, March 1994.
15. Modeling sequences of counts from a relapsing-remitting disease. Department of Mathematics, University of Maryland, April 1995
16. Repeated sequences of counts from a relapsing-remitting disease: a comparison of approaches. Department of Biostatistics, Johns Hopkins University, May 1995.
17. Recent developments in the analysis of longitudinal data. Invited presentation in a session on recent advances in statistical methodology for clinical trials with Gordan Lan and Joel Greenhouse at the Society of Clinical Trials meetings, Pittsburgh, May 1996.
18. Modeling monotonic ordinal longitudinal data with diagnostic error. Department of Biostatistics, Medical College of Virginia, October 1996.

19. Modeling repeated measures with monotonic ordinal response and misclassification error, with applications to studying maturation. Division of Cancer Prevention and Control, National Cancer Institute Seminar Series, January 1997.
20. Generalized estimating equations approaches to spatially correlated binary and count data. WNAR meetings, Park City Utah, July 1997.
21. Statistical modeling of disease processes. NHLBI special emphasis panel on "New approaches for complex biological problems: inflammation and risk assessment", September 1997.
22. Modeling monotonic ordinal longitudinal data with misclassification error, with applications to maturation. Department of Biostatistics, Johns Hopkins University, March 1998.
23. Generalized estimating equations for spatially correlated data. ENAR meetings, Pittsburgh, April 1998.
24. Generalized estimating equations approaches for spatially correlated discrete data. Department of Statistics, University of Munich, May 1998.
25. Modeling monotonic ordinal repeated data with misclassification with applications to maturation. Department of Statistics, University of Munich, May 1998.
26. A transitional model for longitudinal binary data subject to nonignorable missing data. ENAR meetings, Atlanta, March 1999.
27. Longitudinal Studies with Missing Data. Spring Symposium for the Delaware Chapter of the American Statistical Association: Design and Analysis of Life Science Studies: Of Mice and Men, University of Delaware, April 1999.
28. A transitional model for longitudinal binary data with nonignorable missingness. International Chinese Statistics Association: Applied Statistics Symposium, Georgetown University, June 1999.
29. A generalized estimating equations approach for modeling random length vector data. ASA meetings, Baltimore August 1999.
30. A transitional model for longitudinal binary data with nonignorable missingness. Department of Biostatistics. Johns Hopkins University. November 1999.

31. Latent modeling approaches for assessing diagnostic error in p53 immunohistochemical assays in bladder tumors without a gold standard. Division of Cancer Prevention and Control, National Cancer Institute Seminar Series, April 2000.
32. A transitional model for longitudinal binary data with nonignorable missingness. Department of Biostatistics. University of Penn. February 2000.
33. Latent modeling approaches for assessing diagnostic error in p53 immunohistochemical assays in bladder tumors without a gold standard. Department of Statistics, North Carolina State University, October 2000.
34. Latent modeling approaches for assessing diagnostic error in p53 immunohistochemical assays in bladder tumors without a gold standard. Department of Mathematics, University of Maryland at College Park, November 2000.
35. Latent modeling approaches for assessing diagnostic error in p53 immunohistochemical assays in bladder tumors without a gold standard. Department of Mathematics and Statistics, University of Maryland at Baltimore County, April 2001.
36. The analysis of binary longitudinal data with missingness: applications to an opiate addiction trial. Clinical Biostatistics Group, Wyeth Ayerst Reach, King of Prussia, Penn. May 2001.
37. Latent class modeling approaches for assessing diagnostic error in p53 immunohistochemical assays in bladder tumors without a gold standard. International Chinese Statistical Association, Chicago, June 2001.
38. The analysis of longitudinal data with missingness from a chronic disease. International conference sponsored by the German Research Council DFG on "Recent developments and applications in the statistical analysis of discrete structures", Munich, October 2001.
39. Statistical modeling in MS data over time. Sylvia Lawry Centre for Multiple Sclerosis Research, Munich, October, 2001.
40. A latent autoregressive model for longitudinal binary data subject to non-ignorable missingness. ASA meetings, New York, August 2002.
41. A latent autoregressive model for longitudinal binary data subject to non-ignorable missingness. Division of Biostatistics, Yale University, October 2002.

42. A cautionary note on estimating diagnostic error without a gold standard. FDA/Industry Statistics Conference, Bethesda, September 2003.
43. Estimating diagnostic error without a gold standard. Department of Biostatistics, Johns Hopkins University, November 2003.
44. Modeling tumor growth with random onset. ENAR, Pittsburgh, April 2004.
45. Statistical issues in the use of biomarkers in clinical trials. Future Clinical Trial Issues in Multiple Sclerosis. Washington DC, December 2004.
46. Modeling longitudinal semi-continuous data with serial correlation With an application to an acupuncture clinical trial. WNAR, Fairbanks, June 2005.
47. Estimating diagnostic accuracy from designs with and without gold standard evaluation. Biostatistics Branch, Division of Biologics, FDA, October, 2005.
48. Estimating diagnostic accuracy from designs with and without gold standard evaluation. Biostatistics Branch, Division of Epidemiology and Genetics, National Cancer Institute, November 2005.
49. The analysis of binary longitudinal data with multi-state missing data. Invited talk at an international workshop titled "Current Issues in the Analysis of Incomplete Longitudinal Data", Fields Institute of Mathematical Science in Toronto, Canada. October 2005.
50. Estimating diagnostic accuracy from designs with and without gold standard evaluation. Department of Statistics, Ohio State University, November 2005.
51. Estimating diagnostic accuracy from designs with and without gold standard evaluation. Department of Biostatistics, Medical College of Virginia. December 2005.
52. Estimating diagnostic accuracy from designs with and without gold standard evaluation. Center for Epidemiology and Biostatistics, Children's Hospital in Cincinnati. January 2006.
53. Estimating diagnostic accuracy from designs with and without gold standard evaluation. Department of Biostatistics and Epidemiology, Sloan Kettering Cancer Center, April 2006.

54. Modeling longitudinal data subject to lower detection limits: two case studies. NICHD panel on analyzing data subject to detection limits, measurement error, and missing data. June 2007.
55. Estimating diagnostic accuracy from an imperfect reference standard. FDA/Industry Statistics Conference. Crystal City, VA, September 2007.
56. Estimating diagnostic accuracy with no gold standard, partial gold standard, or with an imperfect gold standard test. Division of Cancer Epidemiology and Genetics seminar, September 2007.
57. Estimating diagnostic accuracy with no gold standard, partial gold standard, or with an imperfect gold standard test. Department of Biostatistics, University of Maryland Medical Center, October 2007.
58. Estimating diagnostic accuracy with no gold standard, partial gold standard, or with an imperfect gold standard test. Department of Statistics, George Mason University, November 2007.
59. Estimating diagnostic accuracy from designs with and without reference standard evaluation. ENAR, Crystal City, March 2008.
60. Estimating diagnostic accuracy with no gold standard, partial gold standard, or with an imperfect gold standard test. Division of Epidemiology, Statistics, and Prevention Research, NICHD, January 2009.
61. Estimating diagnostic accuracy with no gold standard, partial gold standard, or with an imperfect gold standard test. George Washington University Biostatistics, June 2009.
62. Estimating diagnostic accuracy with no gold standard, partial gold standard, or with an imperfect gold standard test. Office of Biostatistics Research, NHLBI, September 2009.
63. Biostatistics at NIH: Opportunities at NICHD and other institutes. Department of Biostatistics, Johns Hopkins University, November, 2009.
64. Joint modeling of multivariate longitudinal measurements and time-to-event data. ENAR meeting, New Orleans, LA 2010.
65. Estimating diagnostic accuracy with no gold standard, partial gold standard, or with an imperfect gold standard test. Statistics Department at George Washington University, April 2010.
66. Approaches to Modeling Menstrual Cycle Function. Invited Presentation for Society for Perinatal Epidemiology (SPER) student analytical workshop, Seattle, June, 2010.

67. Estimating diagnostic accuracy with no gold standard, partial gold standard, or with an imperfect gold standard test. The Center for Statistics, University of Hasselt, October, 2010.
68. Estimating diagnostic accuracy with no gold standard, partial gold standard, or with an imperfect gold standard test. ENAR Miami, 2011.
69. A linear mixed model for predicting a binary event under random effects misspecification. Mathematics Department, Statistics Group, University of Maryland College Park, November, 2010.
70. The Biostatistics and Bioinformatics Branch at NICHD. Mathematics Department, Statistics Group, University of Maryland College Park, November, 2010.
71. A linear mixed model for predicting a binary event under random effects misspecification. Department of Biostatistics. Virginia Common Wealth University, December, 2010.
72. A linear mixed model for predicting a binary event under random effects misspecification. Workshop to demonstrate new joint program in biostatistics at the University of Maryland at Baltimore County (UMBC). Keynote Address, March, 2011.
73. A linear mixed model for predicting a binary event under random effects misspecification. Department of Biostatistics, University of Buffalo, April 2011.
74. A linear mixed model for predicting a binary event under random effects misspecification. Biostatistics Branch, National Institute of Environmental Health Sciences, May 2011.
75. Estimating diagnostic accuracy with no gold standard, partial gold standard, or with an imperfect gold standard test. Society for Clinical Biostatistics, Ottawa Canada, August 2011.
76. A linear mixed model for predicting a binary event under random effects misspecification. Department of Statistics, Virginia Polytech Institute, November 2011.
77. Estimation and design for logistic regression under an imperfect population identifier. ENAR, Washington DC, 2012.
78. A linear mixed model for predicting a binary event under random effects misspecification. Department of Biostatistics, University of Penn. April 2012.

79. A linear mixed model for predicting a binary event under random effects misspecification. Annual Conference on Frontiers in Applied and Computational Mathematics (FACM '12), New Jersey Institute of Technology, May 2012.
80. Joint models for multivariate longitudinal measurements and a binary event: an application to a fetal growth study with longitudinal ultrasound measurements. An international workshop on the statistical analysis of multi-outcome data, Paris France, July 2012.
81. Innovative applications of shared random parameter models for analyzing longitudinal data with informative dropout. Special speaker at the International symposium in statistics (ISS) on longitudinal data analysis subject to outliers, measurement errors, and or missing values. St Johns Canada, July 2012.
82. Teenage Sleeping: Is there methodology to the madness- The NEXT Study. NICHD Exchange on Sleeping Research, November 2012.
83. The Prediction of Poor Birth Outcomes from Longitudinal Fetal Ultrasound Data The NIH Biostatistics Symposium: Statistics in Biomedical Research: Making and Translating New Discoveries, November 2012
84. Linear mixed models for reference curve estimation and prediction of poor pregnancy outcomes from longitudinal ultrasound data, ENAR, Orlando, March 2013.
85. Joint models for multivariate longitudinal measurements and a binary event: an application to a fetal growth study with longitudinal ultrasound measurements. Department of Biostatistics, University of Alabama School of Public Health, January 2013.
86. Joint models for multivariate longitudinal measurements and a binary event: an application to a fetal growth study with longitudinal ultrasound measurements. Department of Biostatistics, McGill University, February 2013.
87. Joint models for multivariate longitudinal measurements and a binary event: an application to a fetal growth study with longitudinal ultrasound measurements. Department of Biostatistics, University of Pittsburgh, April 2013.
88. The interface between statistical research and teenage driving: what statistics can teach us about how our kids drive. Department of Mathematics and Statistics, University of Maryland, Baltimore County, May 2013.

89. Efficient design of logistic regression with an imperfect population identifier: Applications to Epidemiologic and Clinical studies. International Chinese Statistics Association: Special invited session honoring Bob O'Neal. Bethesda, MD, June 2013.
90. Reference standard estimation and prediction in fetal growth studies. Society for Epidemiologic Research, Boston, June 2013.
91. The interface between statistical research and teenage driving: what statistics can teach us about how our kids drive. Department of Biostatistics, Yale University School of Public Health, December 2013.
92. Why do a postdoctoral fellowship in biostatistics? The NICHD experience. ENAR, Baltimore, March 2014.
93. Longitudinal analyses of teenage driving: what statistics can teach us about how our kids drive. Department of Biostatistics, Johns Hopkins University, April 2014.

Contributed Talks

1. Design of a panel study under an alternating Poisson process assumption. ENAR meetings, Lexington, March 1989.
2. A two state mixture model for analyzing time series count data. International meeting on statistics for repeated measurements, Bressanone Italy, September 1989.
3. A two state Markov mixture model for a time series of epileptic seizure counts. ENAR meetings, Baltimore, April 1990.
4. Modeling seasonal changes in the relationship between multiple time series with an application in psychiatry. ENAR meetings, Houston, March 1991.
5. A generalized estimating equations approach for modeling random length binary vector data. ENAR meetings, Richmond, March 1996.
6. Modeling monotonic ordinal longitudinal data subject to misclassification. ENAR meetings, Memphis, March 1997.
7. Latent modeling approaches for assessing diagnostic error without a gold standard: with applications to P53 immunohistochemistry assays in bladder tumors. ENAR meetings, Chicago, March 2000.

8. A latent process model for longitudinal binary data subject to nonignorable missingness. JSM meetings, Atlanta, August 2001.
9. A cautionary note on estimating diagnostic error without a gold standard. JSM meetings, San Francisco, August 2003.
10. Random effects modeling approaches for estimating ROC curves from repeated ordinal tests without a gold standard. Special contributed session on diagnostic accuracy. JSM meeting, Seattle, August 2006.
11. Modeling longitudinal biomarker data with multiple assays which have different known detection limits. JSM meetings, Salt Lake City, July 2007.
12. On estimating the relationship between longitudinal measurements and time-to-event data using a simple two-stage procedure. ENAR meetings, San Antonio, Tx, March, 2009.
13. Joint modeling of multivariate longitudinal measurements and time-to-event data. JSM meeting, Washington DC August 2009.
14. Modeling batched Gaussian longitudinal data subject to informative dropout. JSM meeting, Vancouver August 2010.